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OF
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해 양 조 사 연 보

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국 립 수 산 진 흥 원

Fisheries Research and Development Agency
The Government of the Republic of Korea
Busan, Korea
October, 1979

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OF THE
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국민교육헌장

우리는 민족중흥의 역사적 사명을 띠고 이 땅에 태어났다. 조상의 빛난 얼을 오늘에 되살려, 안으로 자주 독립의 자세를 확립하고, 밖으로 인류 공영에 이바지 할 때다. 이에, 우리의 나아갈 바를 밝혀 교육의 지표를 삼는다.

성실한 마음과 튼튼한 몸으로, 학문과 기술을 배우고 익히며, 타고난 저마다의 소질을 계발하고 우리의 처지를 약진의 발판으로 삼아, 창조의 힘과 개척의 정신을 기른다.

공익과 질서를 앞세우며 능률과 실질을 숭상하고, 경애와 신의에 뿌리박은 상부 상조의 전통을 이어받아, 명랑하고 따뜻한 협동정신을 복돋운다. 우리의 창의와 협력을 바탕으로 나라가 발전하며 나라의 융성이 나의 발전의 근본임을 깨달아, 자유와 권리에 따르는 책임과 의무를 다하며, 스스로 국가 건설에 참여하고 봉사하는 국민 정신을 드높인다.

반공 민주정신에 투철한 애국애족이 우리의 삶의 길이며, 자유세계의 이상을 실현하는 기반이다. 길이 후손에 물려줄 영광된 통일 조국의 앞날을 내다보며, 신념과 긍지를 지닌 근면한 국민으로서 민족의 슬기를 모아 즐기찬 노력으로, 새 역사를 창조하자.

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범 례

- 시 각 : 대한민국 표준시이며 동경 135°의 자오선으로 한 평균태양시
- 수 온 : 섭씨도수 (℃)이며 시도는 $\frac{1}{100}$ 까지 표시
- 염 분 : 전기 전도도 염분제로 측정하고 천분율 (‰)로 표시
- 수 심 : Meter 법으로 표시
- 수 색 : Forel 수색표준액의 수색번호 (1-11)로서 표시
- 투명도 : 투명도판에 의한 측정치로서 Meter 법으로 표시
- 파 랑 : 10 계급 (0 - 9)에 의하여 눈으로 관측하여 표시
- 너 율 : 4 계급 (0 - 3)에 의하여 눈으로 관측한 것이며 0 : 파고 1 m
 1 : 파고 2 m 미만, 2 : 파고 2 ~ 4 m, 3 : 파고 4 m 이상
- 기 온 : 섭씨도수 (℃)이며 1/10 까지 표시
- 기 압 : Aneroid 기압계에 의한 관측이며 mb 로 표시
- 풍 향 : 풍향은 16 방위법 (자침방위)으로 관측하여 표시
- 풍 력 : 풍력은 Beaufort 풍력계급에 의하여 눈으로 관측하여 표시
- 운 형 : 운형은 10 종 운형법으로 관측하여 표시
- 운 량 : 운량은 천공의 10 등법에 의하여 눈으로 관측하여 표시
- 천 기 : 천기는 쾌청(B) : 운량 0 ~ 2, 청 (BC) : 운량 3 ~ 7,
 흐림 (C) : 운량 8 ~ 10, 비 (B), 안개 (F), 눈 (S) 등으로
 구분하여 표시됨.

EXPLANATIONS

- Time : Korean Standard Time was used the mean solar time referred to the meridian of 135°E.
- Water temperature : Recorded in hundredth of a degree in centigrade.
- Salinity : Expressed in parts per thousandth and measured by the inductively coupled Salinometer.
- Depth : Expressed in meters determined by the wire length and its angle or an interpolated value obtained.
- Color of the Sea : Recorded in numbers of Forel Scale (1 - 11)
- Transparency : Expressed in meters determined by the Secchi disk.
- Wave : Expressed in the Scale (0 - 9)

Swell : Expressed in the Scale (0 - 3)
 The numbers of the Scale and the
 Wave height as follows. 0 : 0 m, 1 :
 less than 2 m, 2 : 2 ~ 4 m 3 : greater
 than 4 m.

Air temperature : Recorded in tenths of a degree in
 Centigrade.

Atmospheric Pressure : Recorded in millibar(mb) obtained
 from the direct reading of Aneroid
 Barometer.

Wind direction : Given in 16 Point Scale of the
 Compass bearing.

Wind velocity : Given in Beaufort Scale.

Cloud type : Recorded in ten types of the cloud

Cloud amount : Expressed in tenths of whole sky
 covered.

Weather : Recorded in present weather : the
 abbreviations and the cloud cover
 areas follows. B : 0 - 2, BC : 3 - 7,
 C : 8 - 10, R : Rain, F : Fog, S : Snow.

제 1 편

연안정지해양관측성적



PART 1

COASTAL OCEANOGRAPHIC DATA

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연안정지 해양관측점 위치표

Position of the Shore Stations

해역 Region	번호 No.	관측지명 Name of the Station	위치 Position		관측회수 Frequency of Observation	관측개시년월 Data of Inauguration
			북위 Lat. (N)	동경 Long. (E)		
동해안 East Coast	1	거진 Geojin	38°28'30"	128°26'00"	매일 Daily ※	1967. 4
	2	속초 Sogcho	38°12'32"	128°36'18"	매일 Daily "	1967. 4
	3	주문진 Jumunjin	37°53'15"	128°50'00"	매일 Daily "	1952. 8
	4	묵호 Mugho	37°32'58"	129°07'15"	매일 Daily "	1967. 6
	5	울릉도 Ulneung-Do	37°29'00"	130°54'35"	매일 Daily "	1931. 11
	6	죽변 Jugbyeon	37°03'28"	129°26'00"	매일 Daily "	1916. 7
	7	후포 Hupo	36°40'42"	129°27'42"	매일 Daily "	1968. 9
	8	측산 Chugsan	36°30'29"	129°27'37"	매일 Daily "	1968. 4
	9	포항 Pohang	36°02'56"	129°26'10"	매일 Daily "	1946. 7
	10	장기갑 Janggigab	36°04'35"	129°34'30"	매일 Daily "	1916. 7
	11	감포 Gampo	35°48'20"	129°30'40"	매일 Daily "	1967. 5
	12	울기 Ulgi	35°29'28"	129°26'50"	매일 Daily "	1939. 1
남해안 South Coast	13	부산 Busan	35°06'08"	129°02'07"	매일 Daily "	1925. 3
	14	가덕도 Kadeog-Do	34°59'20"	128°49'50"	매일 Daily "	1930. 1
	15	서리말 Secimal	34°47'00"	128°44'10"	매일 Daily "	1967. 4
	16	여수 Yeosu	34°44'00"	128°44'00"	매일 Daily "	1921. 1
	17	육지도 Yogji-Do	34°40'50"	128°10'35"	매일 Daily "	1969. 1
	18	소리도 Sori-Do	34°24'15"	127°48'15"	매일 Daily "	1928. 4
	19	거문도 Geomun-Do	34°00'30"	127°19'15"	매일 Daily "	1916. 7
	20	우도 U-Do	33°29'10"	126°58'10"	매일 Daily "	1967. 4
	21	완도 Wan-Do	34°19'10"	126°45'00"	매일 Daily "	1967. 9
	22	자지도 Jaji-Do	34°05'20"	126°36'15"	매일 Daily "	1928. 4
	23	산지 Sanji	33°33'10"	126°33'00"	매일 Daily "	1923. 10
	24	서귀포 Seogwipo	33°13'30"	126°34'45"	매일 Daily "	1963. 1
	25	마라도 Mara-Do	33°06'45"	126°06'45"	매일 Daily "	1923. 10
서해안 West Coast	26	죽도 Jug-Do	34°13'30"	125°51'00"	매일 Daily "	1916. 7
	27	흑산도 Heugsan-Do	34°05'30"	125°06'05"	매일 Daily "	1925. 10
	28	홍도 Hong-Do	34°42'30"	125°13'00"	매일 Daily "	1933. 1
	29	칠발도 Chilbal-Do	34°47'25"	125°47'30"	매일 Daily "	1967. 5
	30	목포 Mogpo	34°46'40"	126°23'05"	매일 Daily "	1928. 8
	31	말도 Mal-Do	35°51'15"	126°19'10"	매일 Daily "	1967. 4
	32	군산 Gunsan	35°59'15"	126°43'00"	매일 Daily "	1939. 4
	33	어청도 Eocheong-Do	36°06'40"	125°59'15"	매일 Daily "	1916. 7
	34	격열비도 Gyeogyolbi-Do	36°37'15"	125°33'20"	매일 Daily "	1916. 7
	35	목덕도 Mogdeog-Do	36°55'40"	125°45'30"	매일 Daily "	1967. 9
	36	부도 Bu-Do	37°08'40"	126°21'00"	매일 Daily "	1926. 1
	37	선미도 Seonmi-Do	37°17'10"	126°04'45"	매일 Daily "	1967. 7
	38	월미도 Weolmi-Do	37°28'25"	126°36'30"	매일 Daily "	1967. 4
	39	연평도 Yeonpyeong-Do	37°38'55"	125°41'10"	매일 Daily "	1967. 5
	40	소청도 Socheong-Do	37°45'00"	124°44'00"	매일 Daily "	1916. 7

※ 매일 오전 10시 관측 At 10 a.m. everywhere

연안정지월별표면수온

Surface Water Temperature of the Shore Stations

월 Month	순 Ten day	관측지점 Station	① 거진 Geojin	② 속초 Sogcho	③ 주문진 Jumun-jin	④ 묵호 Mugho	⑤ 울릉도 Ulleung-Do	⑥ 죽변 Jugbyeon	⑦ 후포 Hupo	⑧ 죽산 Chugsan
1월 Jan.	상순하순 上順下順	1st 2nd 3rd Mean	7.80 7.46 7.90 7.72	4.79 3.88 2.82 3.83	9.18 9.16 8.93 9.09	9.83 8.59 4.62 7.68	11.75 11.34 11.06 11.38	13.29 13.16 11.98 12.81	9.50 10.00 9.82 9.77	- - - -
2월 Feb.	상순하순 上順下順	1st 2nd 3rd Mean	4.46 4.71 2.34 3.84	2.25 2.73 3.43 2.80	7.91 8.10 8.17 8.06	7.73 7.96 8.13 7.94	10.78 10.05 9.46 10.10	9.56 10.24 10.45 10.08	8.25 8.55 9.25 8.68	8.88 9.81 9.97 8.65
3월 Mar.	상순하순 上順下順	1st 2nd 3rd Mean	5.13 7.26 8.33 6.91	4.75 4.75 7.10 5.53	7.99 8.19 9.25 8.48	8.72 8.65 9.99 9.12	9.03 8.66 10.46 9.38	9.39 9.43 10.49 9.77	- - - -	9.47 9.96 10.95 10.13
4월 Apr.	상순하순 上順下順	1st 2nd 3rd Mean	9.27 9.35 9.64 9.42	8.40 8.03 11.95 9.46	9.77 9.17 10.91 9.95	9.43 9.87 10.65 9.98	10.66 10.61 11.62 10.96	10.90 9.30 9.06 9.76	10.50 11.08 10.05 10.64	11.56 10.74 9.11 10.47
5월 May	상순하순 上順下順	1st 2nd 3rd Mean	9.57 11.11 14.92 11.87	12.64 13.08 16.49 14.07	10.14 12.22 16.23 12.86	10.61 13.32 15.94 13.29	11.28 14.75 15.98 14.00	9.70 8.90 12.74 10.45	10.87 11.83 15.71 12.80	10.65 9.23 12.31 10.73
6월 Jun.	상순하순 上順下順	1st 2nd 3rd Mean	15.87 17.15 18.44 17.15	18.44 19.45 20.23 19.37	17.88 19.37 20.16 19.14	17.42 18.39 17.33 17.71	15.78 16.93 18.11 16.94	13.36 13.55 14.17 13.69	17.17 14.68 14.57 15.47	15.70 12.33 13.53 13.85
7월 Jul.	상순하순 上順下順	1st 2nd 3rd Mean	19.89 20.99 21.14 20.67	22.37 22.28 25.30 23.32	21.45 22.44 23.30 22.40	20.24 22.24 21.65 21.38	21.03 21.83 22.30 21.72	18.42 22.10 18.64 19.79	18.13 20.24 21.80 20.06	16.09 19.49 19.50 18.36
8월 Aug.	상순하순 上順下順	1st 2nd 3rd Mean	20.40 20.18 19.47 20.02	24.12 24.01 23.20 23.78	23.34 23.50 23.12 23.32	21.55 22.80 23.08 22.48	- 20.13 21.82 20.88	20.68 16.85 22.54 20.76	22.85 14.38 21.90 19.43	22.00 14.38 21.90 19.43
9월 Sep.	상순하순 上順下順	1st 2nd 3rd Mean	19.88 20.07 19.13 19.69	20.86 20.54 20.73 20.71	21.58 21.18 21.90 21.55	21.79 21.47 21.99 21.75	- 18.95 21.30 19.73	18.95 21.98 22.46 22.41	22.80 22.85 24.92 23.59	23.00 22.85 24.92 23.59
10월 Oct.	상순하순 上順下順	1st 2nd 3rd Mean	17.86 17.16 15.21 16.74	19.29 16.14 15.17 16.87	19.50 17.74 16.83 18.02	19.28 16.54 16.84 17.65	- 18.90 18.95 19.52	20.80 18.84 17.65 19.06	20.68 18.84 17.65 19.06	- - - -
11월 Nov.	상순하순 上順下順	1st 2nd 3rd Mean	15.17 13.95 13.16 14.09	13.00 13.34 11.71 12.68	15.19 15.48 14.24 14.97	16.10 15.90 14.40 15.47	- 18.35 16.55 17.70	18.35 18.20 14.31 15.57	16.75 15.64 14.31 15.57	17.58 17.20 15.98 16.92
12월 Dec.	상순하순 上順下順	1st 2nd 3rd Mean	12.44 10.83 10.70 11.32	10.24 10.18 9.67 10.03	13.15 12.98 11.85 12.66	13.15 12.44 11.20 12.26	- 13.60 12.27 13.36	16.00 12.67 11.68 12.28	12.50 12.67 11.68 12.28	13.31 13.67 13.08 13.35
년 Year	연 Year	평 Average	13.29	13.54	15.04	14.72	-	14.84	15.22	14.64

⑨ 포항 Pohang	⑩ 장기갑 Janggi-gab	⑪ 감포 Gampo	⑫ 울기 Ulgi	⑬ 부산 Busan	⑭ 가덕도 Kadeog-Do	⑮ 서이말 Seoimal	⑯ 여수 Yeosu	⑰ 육지도 Yogji-Do
8.84	8.28	13.07	10.92	12.08	11.88	13.88	7.14	9.60
9.21	8.04	12.76	10.52	11.28	10.25	12.98	6.48	10.20
8.92	7.66	13.30	10.21	11.20	9.87	11.83	5.96	10.27
8.99	7.99	13.04	10.55	11.69	10.67	12.90	6.53	10.02
7.77	8.88	11.63	10.23	10.76	8.38	11.47	5.27	10.00
8.08	7.92	11.06	10.41	10.30	8.91	11.62	5.17	10.20
8.60	9.46	11.63	10.99	10.90	8.85	11.10	6.21	10.25
8.15	8.75	11.44	10.54	10.65	8.71	11.40	5.66	10.15
9.77	10.33	11.48	12.39	11.13	9.26	11.59	7.44	9.90
10.08	7.17	10.97	12.05	11.44	9.34	11.71	7.66	10.80
11.33	9.79	11.89	12.92	12.01	10.59	11.48	9.16	11.23
10.39	9.10	11.45	12.45	11.53	9.73	11.59	8.09	10.64
11.92	11.05	11.76	13.31	12.20	11.21	11.92	11.01	11.90
12.93	12.70	12.25	13.79	11.88	12.51	12.30	13.14	11.91
11.65	12.90	12.52	14.25	13.87	13.02	12.83	14.16	13.40
12.17	12.22	12.18	13.78	12.65	12.25	12.35	12.77	12.40
10.37	12.93	13.47	12.87	14.60	13.70	13.57	15.76	13.67
12.60	14.03	14.57	14.56	15.83	15.15	14.30	17.20	15.10
16.07	16.70	15.83	15.81	16.62	16.24	14.74	18.58	16.64
13.01	14.55	14.62	14.41	15.68	15.03	14.20	17.18	15.14
16.99	18.43	16.16	17.50	17.04	17.00	15.60	19.90	17.46
16.76	16.62	15.30	17.24	17.66	18.30	16.85	20.80	17.91
16.53	17.18	11.63	18.04	18.48	19.86	17.27	20.90	18.50
16.76	17.41	14.36	17.59	17.73	18.39	16.57	20.53	17.96
17.33	20.14	12.22	17.15	19.40	21.43	16.51	22.09	21.22
20.20	20.66	14.86	17.57	20.60	21.80	18.21	22.97	22.45
24.29	24.36	21.51	23.12	22.50	23.89	23.76	24.05	23.89
20.61	21.72	16.53	19.28	20.83	22.37	19.49	23.04	22.52
24.87	25.00	23.82	22.58	25.23	25.22	24.35	25.75	24.85
15.34	21.46	16.50	20.63	25.21	24.02	22.39	25.95	26.27
21.23	22.30	19.06	19.31	24.50	24.74	23.09	24.55	24.59
20.48	22.42	19.79	20.84	24.98	24.66	23.28	25.42	25.24
22.77	23.69	24.42	22.83	24.06	23.70	24.25	24.08	23.65
22.26	22.46	23.67	22.97	23.07	23.26	22.61	23.25	21.90
21.67	19.65	22.84	20.04	21.89	22.12	21.85	23.13	22.25
22.23	21.93	23.61	21.95	23.01	23.03	22.90	23.49	22.60
21.79	20.23	20.94	19.50	21.03	21.18	21.19	22.93	22.30
18.62	16.76	20.11	17.14	18.85	19.56	18.64	20.68	20.20
17.41	18.36	18.96	16.51	18.21	18.27	17.93	18.75	19.64
19.27	17.78	20.08	17.75	19.36	19.67	19.25	20.79	20.71
17.06	15.20	18.14	15.73	17.22	16.46	17.11	17.23	-
15.80	13.28	17.54	15.57	17.15	16.23	16.76	16.16	-
13.57	9.04	15.47	14.50	14.60	14.88	15.63	14.51	-
15.48	12.51	17.05	15.27	16.32	15.86	16.50	15.97	-
11.82	7.49	14.53	13.35	13.35	13.89	14.47	11.10	-
11.39	9.48	14.45	12.89	12.60	13.31	14.50	11.29	-
10.47	6.76	14.13	12.23	12.13	13.11	13.85	9.24	-
11.23	7.91	14.37	12.82	12.69	13.41	14.34	10.54	-
14.90	14.57	15.71	15.60	16.43	16.15	16.23	15.83	16.74

월	관측지점 Station			㉘	㉙	㉚	㉛	㉜	㉝	㉞
Month	순 Ten day		소리도 Sori-Do	우 도 U-Do	거문도 Geomun-Do	완 도 Wan-Do	자지도 Jaji-Do	산 지 Sanji	서귀포 Seogw-ipo	마라도 Mara-Do
1월 Jan.	상중하월 평	순순 1st	11.60	16.60	13.15	-	10.59	15.90	15.94	16.29
		순순 2nd	11.72	16.50	13.86	-	10.03	15.30	15.37	16.17
		순순 3rd	11.11	15.80	14.31	-	9.41	14.13	14.78	15.36
		Mean	11.48	16.30	13.77	-	10.01	15.11	15.86	15.94
2월 Feb.	상중하월 평	순순 1st	9.30	14.86	12.82	-	8.71	14.80	14.46	14.71
		순순 2nd	8.84	14.39	12.01	-	8.37	14.10	13.78	14.01
		순순 3rd	8.93	14.77	12.38	-	8.58	13.36	14.15	14.49
		Mean	9.02	14.67	12.40	-	8.56	14.09	14.13	14.40
3월 Mar.	상중하월 평	순순 1st	9.92	14.52	12.09	-	8.58	13.90	14.49	14.06
		순순 2nd	11.00	14.20	11.93	-	9.34	13.87	14.72	14.23
		순순 3rd	11.28	13.85	11.70	9.64	8.76	14.11	14.39	14.49
		Mean	10.73	14.19	11.91	9.64	8.89	13.96	14.53	14.26
4월 Apr.	상중하월 평	순순 1st	11.03	14.00	11.97	10.88	9.95	13.83	14.77	14.47
		순순 2nd	11.13	14.58	12.17	12.81	10.54	14.35	15.07	14.40
		순순 3rd	11.68	14.64	12.59	13.50	11.30	14.19	14.74	15.01
		Mean	11.28	14.41	12.24	12.40	10.60	14.12	14.86	14.63
5월 May	상중하월 평	순순 1st	13.03	14.92	13.45	14.21	12.92	14.17	15.82	15.02
		순순 2nd	14.49	15.84	13.49	16.13	14.29	15.15	16.80	15.95
		순순 3rd	15.55	16.68	14.30	16.89	14.77	17.16	17.10	16.57
		Mean	14.36	15.81	13.76	15.74	13.99	15.49	16.57	15.86
6월 Jun.	상중하월 평	순순 1st	17.54	16.38	14.64	17.71	15.43	17.44	17.68	18.14
		순순 2nd	17.47	17.61	17.38	18.73	15.66	19.85	19.32	19.01
		순순 3rd	18.05	18.01	17.31	17.79	15.64	19.58	18.28	21.13
		Mean	17.69	17.33	16.44	18.08	15.58	18.96	18.43	19.43
7월 Jul.	상중하월 평	순순 1st	21.51	19.69	20.00	19.98	16.80	22.24	21.15	22.64
		순순 2nd	23.30	22.82	24.36	21.87	17.27	23.14	23.80	25.82
		순순 3rd	23.03	24.29	25.41	22.35	17.76	21.51	25.54	27.62
		Mean	22.61	22.27	23.26	21.40	17.28	22.30	23.50	25.36
8월 Aug.	상중하월 평	순순 1st	26.72	25.51	25.73	24.87	19.39	25.97	26.27	26.11
		순순 2nd	26.97	26.64	25.20	25.04	18.80	26.52	26.40	26.39
		순순 3rd	24.19	24.37	25.26	23.41	19.97	22.45	25.95	26.18
		Mean	25.96	25.51	25.40	24.44	19.39	24.98	26.21	26.23
9월 Sep.	상중하월 평	순순 1st	24.96	24.96	24.78	23.49	22.08	23.47	25.86	25.89
		순순 2nd	24.09	24.65	24.23	22.75	20.30	23.70	25.63	25.26
		순순 3rd	23.16	23.93	22.67	22.16	19.88	23.64	24.92	24.83
		Mean	24.07	24.51	23.89	22.80	20.75	23.60	25.47	25.33
10월 Oct.	상중하월 평	순순 1st	21.43	23.21	21.24	21.66	18.32	22.81	23.78	23.65
		순순 2nd	20.17	21.11	20.19	19.62	18.30	20.29	22.20	22.09
		순순 3rd	18.90	20.77	17.49	18.03	16.88	18.83	21.69	21.35
		Mean	20.17	21.70	19.74	19.77	17.83	20.64	22.56	22.36
11월 Nov.	상중하월 평	순순 1st	16.95	19.63	17.77	16.02	15.72	18.83	20.57	20.60
		순순 2nd	16.87	19.04	16.15	15.10	16.05	18.38	20.01	19.51
		순순 3rd	15.33	18.54	15.13	16.02	15.37	16.76	19.35	19.46
		Mean	16.38	19.07	16.36	15.71	15.71	18.06	19.98	19.86
12월 Dec.	상중하월 평	순순 1st	14.15	18.08	15.11	12.44	13.65	16.72	18.02	18.00
		순순 2nd	13.24	17.60	15.47	11.40	12.50	17.17	17.80	17.01
		순순 3rd	12.40	16.80	14.16	9.41	10.97	16.38	17.14	14.94
		Mean	13.26	17.49	14.91	11.08	12.37	16.76	17.65	16.65
년 Year	연	평	16.42	18.61	17.01	17.11	14.25	18.17	19.10	19.19

㉔ 죽 도 Jug-Do	㉕ 흑산도 Heugsan -Do	㉖ 홍 도 Hong-Do	㉗ 칠발도 Chilbal -Do	㉘ 목 포 Mogpo	㉙ 말 도 Mal-Do	㉚ 군 산 Gunsan	㉛ 어청도 Eocheong -Do
11.60	13.08	10.30	8.91	7.02	6.23	3.44	9.18
11.60	12.68	9.96	7.31	6.29	6.57	2.94	8.59
11.00	13.04	9.73	6.28	5.03	4.65	1.97	8.32
11.40	12.93	10.00	7.50	6.11	5.88	2.78	8.70
9.07	12.56	8.78	5.04	4.35	3.50	1.00	6.36
8.59	10.32	7.41	4.37	4.46	2.00	2.12	5.15
9.06	10.38	7.40	4.69	4.74	3.58	2.85	4.98
8.91	11.09	7.86	5.03	4.52	3.29	1.99	6.50
9.41	10.12	7.33	5.36	5.68	3.97	4.16	5.00
9.80	8.86	7.78	6.24	6.11	4.02	5.25	5.02
8.93	8.35	8.08	6.58	7.45	4.94	8.13	5.60
9.38	9.11	7.78	6.06	6.41	4.31	5.85	6.21
8.37	8.91	8.49	7.55	9.33	6.21	10.44	5.41
9.36	9.35	9.16	9.29	11.40	7.67	10.62	6.90
9.40	9.75	10.30	10.06	12.88	9.56	14.16	8.07
9.04	9.34	9.32	8.97	11.20	7.88	12.41	6.79
10.83	10.88	10.01	11.33	14.60	11.06	16.55	9.61
11.65	11.29	10.61	12.09	15.67	12.27	18.35	10.75
11.82	12.96	11.42	13.21	17.56	14.37	20.62	12.74
11.43	11.71	10.68	12.21	15.94	12.67	18.51	11.03
14.08	15.48	13.02	14.37	18.66	15.68	21.33	14.66
15.39	17.89	15.53	15.72	19.57	17.00	24.09	15.03
15.70	20.22	16.02	16.15	18.74	18.41	24.55	18.38
15.06	17.86	14.86	15.41	18.99	17.03	23.32	16.02
16.63	23.60	22.75	17.68	23.50	21.47	27.12	21.47
17.37	23.63	23.14	19.26	24.41	23.62	25.55	23.72
19.90	24.76	20.12	21.36	25.20	24.80	27.93	24.23
17.97	24.00	22.00	19.43	24.37	23.30	26.87	22.97
22.57	25.90	25.33	22.11	25.80	24.31	28.96	25.58
17.85	27.08	24.88	21.94	26.62	25.22	26.10	25.96
18.68	26.71	26.87	20.74	25.94	26.02	26.70	25.09
19.70	26.56	25.69	21.60	26.12	25.18	27.92	25.54
17.86	25.56	25.67	21.29	25.88	24.68	26.31	25.24
20.56	24.64	22.41	21.49	23.75	23.47	23.40	23.40
19.48	24.33	22.70	19.95	22.00	22.82	23.01	23.70
19.30	24.91	23.59	20.91	23.88	23.66	24.24	24.11
17.56	21.37	22.31	19.78	21.65	22.23	22.73	22.72
16.39	19.38	21.18	18.46	19.32	20.04	18.82	18.36
16.87	18.04	19.73	17.46	17.56	18.52	16.69	18.04
16.94	19.60	21.07	18.57	19.51	20.26	19.41	19.71
14.40	15.28	17.32	-	15.84	16.65	14.03	16.74
13.92	15.35	17.08	-	14.93	15.23	12.98	15.97
13.20	14.80	15.30	-	13.03	12.85	9.90	14.81
13.84	15.14	16.57	-	14.60	14.91	12.30	15.84
11.30	13.58	12.85	12.14	10.71	11.19	7.75	13.26
11.12	13.02	12.50	10.60	9.96	9.63	6.92	12.29
10.83	12.49	11.77	9.16	8.43	8.07	4.14	10.74
11.08	13.03	12.37	10.63	9.70	9.63	6.27	12.10
13.67	16.27	15.15	13.30	15.11	13.99	15.16	14.46

월 Month	관측지점 Station			㉔ 격열비도 Gyeongye- olbi-Do	㉕ 목더도 Mogdeog- -Do	㉖ 부도 Bu-Do	㉗ 선미도 Seonmi- -Do	㉘ 월미도 Weolmi- -Do	㉙ 연평도 Yeonpye- ong-Do	㉚ 소청도 Socheong- -Do
	순 Ten day									
1월 Jan.	상 하	순 순	1st	8.45	7.56	7.44	7.77	5.00	3.70	7.44
	하 하	순 순	2nd	7.59	6.39	6.20	5.21	4.23	3.09	6.75
	하 하	순 순	3rd	6.61	5.39	4.45	4.12	2.68	1.76	5.61
	하 하	순 순	Mean	7.55	6.45	6.03	5.70	3.97	2.85	6.60
2월 Feb.	상 하	순 순	1st	5.74	3.20	3.10	3.38	0.86	0.55	4.29
	하 하	순 순	2nd	4.90	3.78	2.68	2.84	0.59	-0.09	3.52
	하 하	순 순	3rd	4.06	2.35	2.38	2.49	1.65	1.64	3.35
	하 하	순 순	Mean	4.90	3.11	2.72	2.80	1.03	0.70	3.72
3월 Mar.	상 하	순 순	1st	3.70	2.46	2.63	2.78	2.69	2.24	5.58
	하 하	순 순	2nd	3.65	2.84	2.83	2.70	3.09	2.77	3.81
	하 하	순 순	3rd	3.69	3.53	3.80	3.82	5.19	3.93	5.40
	하 하	순 순	Mean	3.75	2.94	3.09	3.10	3.66	2.98	4.93
4월 Apr.	상 하	순 순	1st	4.47	5.14	5.18	5.16	6.61	5.13	5.34
	하 하	순 순	2nd	5.13	6.02	6.31	5.83	8.67	7.27	5.91
	하 하	순 순	3rd	5.97	7.38	7.30	7.00	10.09	8.96	7.05
	하 하	순 순	Mean	5.19	6.18	6.26	6.00	8.46	7.46	6.10
5월 May	상 하	순 순	1st	6.82	8.48	9.11	8.77	11.94	11.34	8.23
	하 하	순 순	2nd	8.21	9.99	10.71	10.47	13.76	13.44	9.24
	하 하	순 순	3rd	9.95	10.07	12.20	12.13	16.72	15.95	10.09
	하 하	순 순	Mean	8.33	9.85	10.67	10.46	14.14	13.58	9.19
6월 Jun.	상 하	순 순	1st	11.76	13.25	13.75	13.64	18.06	17.46	11.67
	하 하	순 순	2nd	13.70	14.77	14.82	14.97	20.05	18.86	13.58
	하 하	순 순	3rd	14.69	16.27	16.14	16.45	21.61	19.78	16.25
	하 하	순 순	Mean	13.38	14.76	14.90	15.02	19.92	18.70	13.83
7월 Jul.	상 하	순 순	1st	16.41	18.02	18.15	17.59	22.43	20.99	19.26
	하 하	순 순	2nd	19.23	20.55	19.65	19.59	23.14	21.92	20.99
	하 하	순 순	3rd	23.34	22.91	22.00	22.03	24.79	24.37	21.78
	하 하	순 순	Mean	19.66	20.49	19.93	19.74	23.45	22.43	20.66
8월 Aug.	상 하	순 순	1st	27.25	23.59	22.59	23.64	26.75	25.18	23.22
	하 하	순 순	2nd	25.71	24.16	23.03	24.45	27.05	25.00	24.57
	하 하	순 순	3rd	26.01	24.52	23.70	24.65	26.45	25.27	25.15
	하 하	순 순	Mean	26.32	24.09	23.11	24.25	26.76	25.16	24.31
9월 Sep.	상 하	순 순	1st	25.51	23.66	23.92	24.20	25.38	23.90	22.94
	하 하	순 순	2nd	24.30	22.23	22.65	23.43	23.94	22.31	20.41
	하 하	순 순	3rd	22.48	21.45	22.62	22.68	22.46	21.76	20.35
	하 하	순 순	Mean	24.10	22.45	23.06	23.44	23.92	22.66	21.23
10월 Oct.	상 하	순 순	1st	-	21.02	22.16	22.14	21.89	21.04	18.11
	하 하	순 순	2nd	-	19.46	22.64	20.05	19.66	18.25	15.37
	하 하	순 순	3rd	-	18.05	18.69	18.61	18.26	14.80	14.51
	하 하	순 순	Mean	-	19.51	21.16	20.27	19.94	18.70	15.83
11월 Nov.	상 하	순 순	1st	17.03	16.90	17.28	16.83	17.07	13.79	12.82
	하 하	순 순	2nd	15.05	15.02	15.93	15.59	15.62	10.46	12.02
	하 하	순 순	3rd	13.55	13.66	14.20	13.24	12.20	10.50	11.31
	하 하	순 순	Mean	15.21	15.19	15.80	15.22	14.96	11.58	12.05
12월 Dec.	상 하	순 순	1st	10.40	12.54	11.86	10.61	9.01	5.50	9.95
	하 하	순 순	2nd	9.95	11.30	9.98	9.84	8.13	5.70	8.30
	하 하	순 순	3rd	9.00	9.16	8.46	8.15	5.65	4.26	7.52
	하 하	순 순	Mean	9.78	11.00	10.10	9.53	7.60	5.15	8.59
년 Year	연 평 균			12.56	13.00	13.07	12.97	13.98	12.66	12.26

제 2 편

정 선 해 양 관 측 성 적

(수온, 염분 및 기상관측 자료)



PART 2

SECTIONAL OCEANOGRAPHIC DATA

(Temperature, Salinity, and Meteorological Data)

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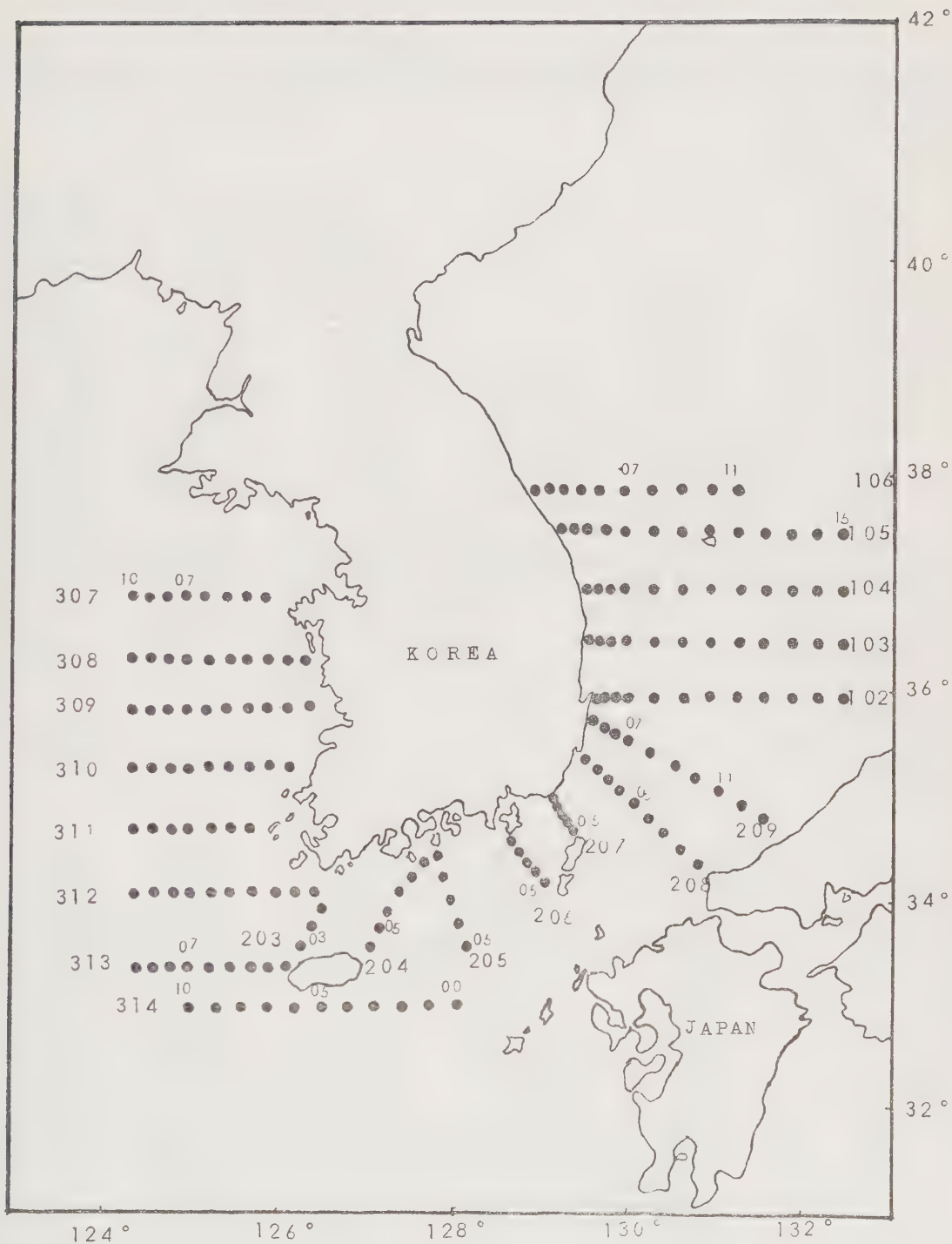
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정선 해양관측점 위치도

Location of the Serial Oceanographic Stations

정선 해양관측점 위치표

Position of the Serial Oceanographic Stations

St.No. Line	00	01	02	03	04	05
106			37° 53.7'	37° 53.7'	37° 53.7'	37° 53.7'
			128° 52.5'	128° 57.2'	129° 03.8'	129° 22.1'
105				37° 33.2'	37° 33.2'	37° 33.2'
				129° 10.3'	129° 15.5'	129° 22.6'
104					37° 03.4'	37° 03.4'
					129° 28.8'	129° 33.6'
103					36° 30.3'	36° 30.3'
					129° 30.1'	129° 35.4'
102					36° 04.6'	36° 04.6'
					129° 36.9'	129° 41.3'
209					35° 47.3'	35° 45.4'
					129° 32.8'	129° 38.4'
208		35° 28.5'	35° 24.3'	35° 17.8'	35° 11.1'	35° 04.8'
		129° 27.3'	129° 33.8'	129° 42.9'	129° 52.7'	130° 02.0'
207		35° 01.3'	34° 57.6'	34° 53.9'	34° 50.2'	34° 48.0'
		129° 07.2'	129° 11.2'	129° 15.4'	129° 19.5'	129° 21.8'
206		34° 35.5'	34° 29.6'	34° 22.4'	34° 15.3'	34° 08.1'
		128° 34.5'	128° 41.2'	128° 49.7'	128° 58.0'	129° 06.3'
205		34° 22.3'	34° 15.0'	34° 05.5'	33° 51.5'	33° 37.3'
		127° 48.5'	127° 52.1'	127° 56.9'	128° 03.0'	128° 09.2'
204		34° 20.8'	34° 13.7'	34° 06.7'	33° 54.1'	33° 45.5'
		127° 43.9'	127° 35.4'	127° 26.8'	127° 15.2'	127° 09.2'
203		33° 56.6'	33° 47.5'	33° 38.3'		
		126° 31.4'	126° 26.3'	126° 21.3'		
314	33° 00.0'	33° 00.0'	33° 00.0'	33° 00.0'	33° 00.0'	33° 00.0'
	128° 00.6'	127° 42.0'	127° 24.0'	127° 06.0'	126° 48.0'	126° 30.0'
313			33° 24.4'	33° 24.4'	33° 24.4'	33° 24.4'
			126° 00.0'	125° 48.0'	125° 36.0'	125° 24.0'
312			33° 58.5'	33° 59.8'	34° 01.3'	34° 02.6'
			126° 06.0'	125° 54.0'	125° 42.0'	125° 30.0'
311					34° 43.0'	34° 43.0'
					125° 43.9'	125° 31.9'
310				35° 20.1'	35° 20.1'	35° 20.1'
				125° 49.3'	125° 36.5'	125° 24.4'
309		35° 51.3'	35° 51.3'	35° 51.3'	35° 51.3'	35° 51.3'
		126° 14.7'	126° 02.0'	125° 49.3'	125° 37.0'	125° 24.4'
308		36° 19.8'	36° 19.8'	36° 19.8'	36° 19.8'	36° 19.8'
		126° 14.4'	126° 02.3'	125° 50.0'	125° 37.0'	125° 25.3'
307				36° 56.5'	36° 55.5'	36° 55.5'
				126° 00.0'	125° 37.7'	125° 25.0'

06	07	08	09	10	11
37° 53.7'	37° 53.7'	37° 53.7'	37° 53.7'	37° 53.7'	37° 53.7'
129° 41.3'	130° 00.0'	130° 18.9'	130° 37.7'	130° 56.5'	131° 15.1'
37° 33.2'	37° 33.2'	37° 33.2'	37° 33.2'	37° 33.2'	37° 33.2'
129° 41.3'	130° 00.0'	130° 18.7'	130° 37.5'	130° 55.9'	131° 14.6'
37° 03.4'	37° 03.4'	37° 03.4'	37° 03.4'	37° 03.4'	37° 03.4'
129° 47.6'	130° 00.0'	130° 18.7'	130° 37.6'	130° 56.4'	131° 15.3'
36° 30.3'	36° 30.3'	36° 30.3'	36° 30.3'	36° 30.3'	36° 30.3'
129° 47.3'	130° 00.0'	130° 18.6'	130° 37.3'	130° 55.6'	131° 14.0'
36° 04.6'	36° 04.6'	36° 04.6'	36° 04.6'	36° 04.6'	36° 04.6'
129° 47.8'	130° 00.0'	130° 18.4'	130° 36.9'	130° 55.1'	131° 13.6'
35° 41.3'	35° 36.8'	35° 30.8'	35° 24.4'	35° 17.8'	35° 11.4'
129° 49.0'	130° 00.3'	130° 16.9'	130° 33.5'	130° 50.0'	131° 06.6'
34° 58.2'	34° 52.6'	34° 45.3'	34° 38.9'		
130° 11.9'	130° 20.9'	130° 30.6'	130° 40.5'		

33° 35.8'

128° 03.2'

33° 00.0'	33° 00.0'	33° 00.0'	33° 00.0'	33° 00.0'
126° 12.0'	125° 54.0'	125° 36.0'	125° 18.0'	125° 00.0'
33° 24.4'	33° 24.4'	33° 24.4'	33° 24.4'	33° 24.4'
125° 12.0'	125° 00.0'	124° 48.0'	124° 36.0'	124° 24.0'
34° 04.1'	34° 05.5'	34° 05.5'	34° 05.5'	34° 05.5'
125° 18.0'	125° 00.0'	124° 48.0'	124° 36.0'	124° 24.0'
34° 43.0'	34° 43.0'	34° 43.0'	34° 43.0'	34° 43.0'
125° 19.4'	125° 00.0'	124° 47.9'	124° 35.8'	124° 23.4'
35° 20.1'	35° 20.1'	35° 20.1'	35° 20.1'	35° 20.1'
125° 12.1'	125° 00.0'	124° 47.9'	124° 35.6'	124° 23.5'
35° 51.3'	35° 51.3'	35° 51.3'	35° 51.3'	35° 51.3'
125° 12.3'	125° 00.0'	124° 47.8'	124° 35.1'	124° 22.8'
36° 19.8'	36° 19.8'	36° 19.8'	36° 19.8'	36° 19.8'
125° 12.4'	125° 00.0'	124° 47.5'	124° 35.1'	124° 23.0'
36° 55.5'	36° 55.5'	36° 55.5'	36° 55.5'	36° 55.5'
125° 12.5'	125° 00.0'	124° 47.5'	124° 34.8'	124° 22.3'

St. No. Line	12	13	14	15	16	17
106	37° 33.2'	37° 33.2'	37° 33.2'	37° 33.2'		
105	131° 33.8'	131° 52.2'	132° 11.2'	132° 29.8'		
	37° 03.4'	37° 03.4'	37° 03.4'	37° 03.4'		
104	131° 33.8'	131° 52.6'	132° 11.6'	132° 29.5'		
	36° 30.3'	36° 30.3'	36° 30.3'	36° 30.3'		
103	131° 33.1'	131° 51.2'	132° 10.1'	132° 28.5'		
	36° 04.6'	36° 04.6'	36° 04.6'	36° 04.6'		
102	131° 32.3'	131° 50.6'	132° 09.0'	132° 27.3'		
	35° 05.3'	34° 58.9'				
209	131° 22.6'	131° 39.1'				
208						
207						
206						
205						
204						
203						
314						
313						
312						
311						
310						
309						
308						
307						

동 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA EASTERN WATERS

1 9 7 8

공 회 장 조 사 장

DEPARTMENT OF EASTERN LANGUAGES

1 9 7 8

106 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 106

3월 (March)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	2	07:15	58	5	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1025	1.0	1.0	Ci	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	7.70	34.03	30	8.35	33.78
10	7.95	34.04	53	8.19	33.61
20	8.40	34.00			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	2	07:50	320	4	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1025	5.3	2.2		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	7.10	34.05	100	8.40	33.78
10	8.98	34.09	125	8.18	33.95
20	8.85	33.82	150	7.48	33.96
30	8.79	33.54	200	4.70	34.04
50	8.78	34.16	250	2.49	33.88
75	8.49	34.07	300	1.92	33.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	2	08:35	710	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1025	4.3	3.2	Cl	2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	8.69	33.28	125	4.35	34.09
10	9.23	34.01	150	3.08	34.09
20	9.30	34.10	200	2.01	33.97
30	9.33	34.09	250	1.43	34.02
50	9.35	34.11	300	1.19	34.03
75	9.30	34.12	400	0.89	34.04
100	5.88	34.07	500	0.72	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	2	10:25	1120	3	17	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1021	6.3	4.7		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.11	33.95	125	8.30	34.12
10	9.14	34.09	150	8.17	34.06
20	9.14	34.08	200	3.97	34.06
30	9.12	34.07	250	1.82	34.04
50	9.13	34.13	300	1.14	33.99
75	9.13	34.13	400	0.82	34.03
100	9.13	34.10	500	0.70	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	2	12:20	1620	2	25	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1021	8.5	7.5		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.51	34.07	125	8.85	33.78
10	9.42	34.07	150	8.19	33.56
20	9.39	34.08	200	6.00	33.85
30	9.35	34.10	250	3.99	33.96
50	9.35	34.03	300	2.98	34.02
75	9.35	33.98	400	1.90	34.00
100	9.35	33.98	500	1.49	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	2	14:10	1060	2	26	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1020	10.1	8.2		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.59	34.07	125	9.42	33.97
10	9.50	33.04	150	9.41	33.98
20	9.49	34.00	200	9.41	33.94
30	9.48	34.06	250	9.23	33.95
50	9.45	34.09	300	8.85	33.96
75	9.45	34.01	400	6.70	33.94
100	9.43	33.99	500	5.61	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	2	16:05	1800	3	21	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1020	10.5	9.3		0	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	9.62		34.09	125		9.42	34.10
10	9.62		34.08	150		9.42	33.99
20	9.49		34.13	200		9.40	34.02
30	9.49		34.11	250		9.20	34.05
50	9.48		34.14	300		7.61	34.05
75	9.45		34.15	400		6.45	33.88
100	9.45		34.13	500		4.92	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	2	17:55	2250			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1020	8.3	7.5			BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	9.27		34.06	125		7.70	34.20
10	9.35		34.08	150		6.75	33.97
20	9.40		34.11	200		6.31	34.02
30	9.35		34.11	250		5.39	34.04
50	9.28		34.15	300		3.91	34.05
75	9.27		34.15	400		2.07	34.05
100	8.70		34.12	500		1.18	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	2	19:50	1980			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1020	8.6	8.2			BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	8.30	33.86	125	7.67	34.01		
10	8.37	33.95	150	5.30	33.99		
20	8.38	33.53	200	4.39	34.05		
30	8.32	33.93	250	3.08	34.05		
50	8.31	33.99	300	2.98	34.04		
75	8.31	33.04	400	1.47	34.04		
100	8.20	33.91	500	1.08	34.20		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	2	21:40	2070			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1020	9.0	8.8			BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	8.53	33.92	125	8.09	34.01		
10	8.57	34.04	150	6.50	34.02		
20	8.53	33.99	200	4.96	34.05		
30	8.29	33.98	250	2.67	34.21		
50	8.26	33.91	300	2.10	34.04		
75	8.23	34.02	400	1.60	33.83		
100	8.20	33.84	500	1.10	34.01		

4월 (April)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	14:20	58	4	9	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1010	15.2		Cs	10	C
Z m	T ℃	S ‰		Z m	T ℃	S ‰	
0	10.39	34.15		30	8.53	34.26	
10	10.15	34.15		53	6.41	34.17	
20	9.19	34.18					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	14:55	320	4	10	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1010	14.4		Cs	10	C
Z m	T ℃	S ‰		Z m	T ℃	S ‰	
0	10.03	34.36		100	2.08	33.95	
10	9.85	34.16		125	1.43	33.96	
20	7.73	34.04		150	1.12	33.98	
30	6.39	33.98		200	0.83	34.02	
50	4.58	33.95		250	0.61	34.05	
75	2.77	33.95		300	0.49	34.04	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	15:45	710	4	12	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1010	14.6		Cs	10	C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	9.70	34.22			125	2.01	33.95
10	9.30	34.22			150	1.18	33.98
20	7.50	34.13			200	0.79	34.02
30	5.71	34.04			250	0.70	34.03
50	3.18	34.00			300	0.61	34.04
75	2.51	33.96			400	0.60	34.04
100	2.12	33.96			500	0.53	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	17:35	1120	4	9	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1009	13.4		Cs	10	C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	10.55	34.31			125	6.25	34.07
10	10.45	34.31			150	4.51	34.04
20	10.35	34.25			200	2.19	33.99
30	10.18	34.18			250	1.29	33.97
50	9.21	34.17			300	0.90	33.95
75	8.73	34.00			400	0.69	33.95
100	7.95	34.12			500	0.60	33.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	19:25	1620			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1009	10.4				C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.75	34.25	125	3.80	33.95
10	9.81	34.25	150	1.85	33.93
20	9.65	34.24	200	1.07	33.90
30	8.85	34.24	250	0.90	33.93
50	8.07	34.20	300	0.70	33.95
75	7.45	34.16	400	0.63	33.98
100	5.83	34.04	500	0.50	33.99

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	21:10	1060			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1010	10.7				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.80	34.19	125	4.46	34.04
10	9.90	34.19	150	3.15	34.04
20	9.50	34.19	200	2.00	34.04
30	8.80	34.20	250	1.12	34.20
50	7.35	34.07	300	0.87	34.00
75	6.20	34.15	400	0.80	34.04
100	5.05	34.07	500	0.80	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	23:00	1800			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	7	1010	10.8				30

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.60	34.34	125	4.75	34.06
10	10.80	34.34	150	3.47	34.00
20	10.61	34.28	200	1.06	33.95
30	8.60	34.22	250	0.71	33.96
50	7.41	34.16	300	0.50	33.96
75	6.77	34.10	400	0.50	33.95
100	5.65	34.04	500	0.45	33.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	00:50	2250			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1010	11.0				C
Z m	T °C		S ‰	Z m	T °C	S ‰	
0	10.41		34.26	125	5.05	33.99	
10	10.51		34.26	150	3.98	33.97	
20	10.60		34.26	200	2.60	33.95	
30	10.39		34.26	250	1.30	33.98	
50	9.35		34.17	300	0.91	33.98	
75	8.34		34.08	400	0.75	33.96	
100	7.12		34.04	500	0.65	33.96	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	19	02:40	1980			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1010	10.9				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.10	34.24	125	5.57	33.97
10	10.12	34.24	150	4.37	33.96
20	10.11	34.20	200	2.92	33.95
30	9.85	34.15	250	1.41	33.99
50	8.40	34.13	300	0.98	34.06
75	7.98	34.28	400	0.80	33.99
100	6.49	34.04	500	0.65	33.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	19	04:30	2070			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1010	10.3				BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	10.49	34.25	125	6.12	34.00		
10	10.50	34.25	150	5.30	33.96		
20	10.50	34.25	200	2.12	33.95		
30	9.82	34.18	250	1.00	33.99		
50	9.53	34.15	300	0.92	34.00		
75	9.30	34.11	400	0.75	33.99		
100	9.20	34.05	500	0.60	33.98		

6 월 (June)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	8	11:20	58	3	13	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1013	29.2	22.4	As	10	C
Z m	T ℃		S ‰		Z m	T ℃	S ‰
0	18.07		34.37		30	12.18	34.34
10	17.20		34.41		53	7.06	34.38
20	15.40		34.45				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	8	12:05	320	3	13	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1013	28.4	23.8	As	10	C
Z m	T ℃		S ‰		Z m	T ℃	S ‰
0	18.27		34.36		100	1.63	34.17
10	16.47		34.36		125	1.30	34.12
20	12.86		34.27		150	1.05	34.07
30	5.13		34.41		200	0.99	34.10
50	3.98		34.17		250	0.91	34.13
75	2.46		34.17		300	0.88	34.13

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	13:05	710	3	16	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1013	26.7	23.4	As	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.79	34.35	125	1.56	34.09
10	16.45	34.39	150	1.08	34.13
20	11.59	34.39	200	0.98	34.17
30	6.55	34.32	250	0.75	34.16
50	3.03	34.14	300	0.65	34.16
75	2.21	34.11	400	0.50	34.16
100	1.81	34.09	500	0.43	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	8	15:10	1120	3	16	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1012	26.3	23.8	As	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.15	34.23	125	1.99	34.13
10	17.44	34.28	150	1.37	34.13
20	13.48	34.35	200	0.90	34.11
30	6.25	34.26	250	0.70	34.13
50	3.60	34.17	300	0.60	34.14
75	2.38	34.18	400	0.54	34.17
100	2.00	34.18	500	0.45	34.21

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	8	17:15	1620	2	15	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1012	24.0	23.2	As	9	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	17.90	34.38	125	1.90	34.11
10	16.80	34.38	150	1.75	34.16
20	14.20	34.38	200	1.11	34.12
30	6.29	34.26	250	0.85	34.14
50	3.92	34.14	300	0.72	34.14
75	2.97	34.14	400	0.58	34.13
100	2.79	34.11	500	0.46	34.15

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	8	19:10	1016	3	14	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013	20.9		As	10	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	18.24	34.20	125	6.94	34.33
10	18.10	34.21	150	4.96	34.24
20	15.17	34.28	200	2.42	34.15
30	13.94	34.37	250	1.80	34.15
50	13.85	34.46	300	1.24	34.15
75	13.02	34.47	400	0.90	34.17
100	11.05	34.43	500	0.86	34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	8	21:00	1800			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1012	20.1				BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.24		34.22	125	13.28		34.77
10	17.37		34.25	150	10.38		34.53
20	17.07		34.37	200	3.80		34.17
30	16.02		34.15	250	1.58		34.10
50	15.08		34.55	300	0.92		34.06
75	14.98		34.45	400	0.88		34.02
100	14.00		34.64	500	0.80		-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	8	23:00	2250			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1012	19.1				BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.56		34.27	125	12.86		34.53
10	17.06		34.29	150	11.04		34.43
20	17.03		34.34	200	5.76		34.16
30	16.55		34.34	250	2.80		34.10
50	15.38		-	300	1.62		34.02
75	14.55		34.57	400	0.98		34.02
100	14.10		34.55	500	0.88		34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	9	01:00	1980			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1012	19.1				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.79	34.18	125	9.18	34.29
10	17.77	34.14	150	8.50	34.17
20	15.01	34.18	200	7.35	34.14
30	13.80	34.20	250	5.30	34.01
50	12.09	34.29	300	2.01	33.95
75	11.49	34.26	400	0.92	33.94
100	11.45	34.18	500	0.72	33.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	9	03:00	2070			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1012	18.0				BC
Z m	T °C		S ‰	Z m	T °C	S ‰	
0	16.37		34.23	125	8.85	34.10	
10	16.29		34.24	150	8.67	34.10	
20	14.80		34.22	200	7.76	34.09	
30	10.50		34.17	250	3.83	33.97	
50	9.09		34.16	300	3.27	33.95	
75	8.88		34.14	400	1.04	33.91	
100	8.86		34.13	500	0.73	33.94	

8 월 (August)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	9	05:50	58			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1008	23.6		Ns	10	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	23.27		32.83	30		7.45	34.28
10	18.00		33.84	53		6.62	34.25
20	10.32		34.27				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	9	06:25	320	4	13	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1008	24.3		Ac	7	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	24.19		33.50	100		1.51	34.13
10	16.43		34.13	125		1.22	34.12
20	10.30		34.31	150		0.97	34.14
30	8.22		34.33	200		0.70	-
50	4.71		34.23	250		0.70	34.15
75	3.40		34.17	300		0.60	34.14

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	9	07:10	710	4	15	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1008	25.7		Ac	7	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	22.31	33.63	125	1.58	34.14		
10	16.32	34.18	150	1.10	34.13		
20	11.13	34.32	200	0.74	34.15		
30	7.61	34.29	250	0.60	34.15		
50	3.80	34.17	300	0.51	34.15		
75	2.75	34.13	400	0.47	34.14		
100	1.74	34.14	500	0.46	34.15		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	9	09:10	1120	3	16	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1008	26.8		AC	6	BC
Z m	T °C		S ‰	Z m	T °C	S ‰	
0	23.48		33.68	125	1.51	34.11	
10	16.32		33.64	150	1.30	34.11	
20	13.33		34.11	200	0.80	34.14	
30	9.62		-	250	0.71	34.14	
50	5.50		34.21	300	0.59	34.14	
75	3.60		34.17	400	0.37	34.14	
100	2.20		34.11	500	0.31	34.26	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
96	9	11:05	1620	3	13	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1008	28.2		Ac	4	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	23.50	33.02	125	5.45	34.27
10	16.90	33.73	150	4.50	34.18
20	16.21	34.04	200	1.80	34.13
30	16.14	34.14	250	1.15	34.13
50	15.10	34.33	300	1.00	34.33
75	10.20	34.49	400	0.74	34.18
100	7.04	34.22	500	0.61	34.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	9	13:00	1060	3	18	1	1
Wind		Barc.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1007.5	29.5		Ac	4	Bc
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	26.94		33.34	125	10.40	34.45	
10	22.68		33.52	150	9.00	34.34	
20	18.85		33.99	200	5.33	34.24	
30	16.39		34.29	250	1.64	34.11	
50	14.50		34.40	300	1.04	34.17	
75	13.64		34.52	400	0.73	34.15	
100	12.67		34.57	500	0.66	34.17	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	9	14:55	1800	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	amount	
SE	4	1006.5	29.4		Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.24	33.92	125	12.17	34.62
10	24.95	33.17	150	11.22	34.50
20	17.90	34.37	200	8.77	34.34
30	16.55	34.40	250	4.68	34.22
50	15.38	34.59	300	1.99	34.16
75	14.26	34.56	400	1.02	34.15
100	13.16	34.60	500	0.78	34.15

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	9	17:00	2250	2	20	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1006	28.2		Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	26.82	33.30	125	11.09	34.45
10	26.82	33.43	150	9.94	34.43
20	20.56	33.80	200	5.88	34.27
30	16.20	34.26	250	4.07	34.23
50	14.97	34.42	300	2.00	34.23
75	14.50	34.53	400	1.30	34.18
100	13.34	34.57	500	0.89	34.13

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	9	19:00	1380	3	18	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1007.5	27.7		As	8	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.80	32.88	125	12.80	34.47
10	27.25	32.76	150	9.60	34.38
20	21.10	33.63	200	4.89	34.18
30	17.72	34.02	250	2.75	34.14
50	15.15	34.08	300	1.38	34.13
75	14.57	34.40	400	0.99	34.14
100	14.27	34.56	500	0.90	34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	9	20:55	2070			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1006	27.5				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	29.85	32.89	125	11.55	34.60
10	27.08	32.79	150	10.73	34.52
20	18.23	33.63	200	7.62	34.31
30	16.40	33.97	250	2.57	34.32
50	14.90	34.25	300	1.99	34.25
75	14.20	34.41	400	1.88	34.36
100	13.70	34.61	500	0.70	34.53

10 월 (October)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	13	06:35	58			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1027	12.8				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.17		33.18	30		17.99	33.18
10	17.89		33.18	53		15.21	33.65
20	18.02		33.16				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	12	08:20	320	3	18	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1021	17.0		Cl	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.34		33.37	100		1.62	34.04
10	20.45		34.06	125		1.09	34.02
20	18.70		34.05	150		0.90	34.05
30	16.42		34.05	200		0.80	34.10
50	7.38		34.06	250		0.71	34.06
75	2.10		34.06	300		0.62	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	07:00	710	3	18	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1021.5	16.2		Cl	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.83		33.71	125	2.21		34.06
10	21.41		33.69	150	1.51		34.05
20	21.73		33.70	200	1.32		34.06
30	21.75		33.70	250	1.10		34.06
50	19.88		33.73	300	0.88		34.04
75	10.60		33.59	400	0.76		34.06
100	5.62		34.18	500	0.70		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	04:40	1120			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	7	1020	13.9				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.38		33.91	125	16.58		34.46
10	22.42		33.94	150	14.70		34.44
20	22.57		33.82	200	7.63		34.22
30	22.53		33.84	250	5.23		34.14
50	22.60		33.84	300	3.12		34.08
75	18.00		34.29	400	1.50		34.04
100	16.60		34.48	500	1.20		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	02:30	1620			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	7	1020	15.1				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	22.00	33.77	125	17.90	34.27
10	22.22	33.75	150	16.70	34.39
20	22.30	33.74	200	15.47	34.47
30	22.30	33.74	250	14.35	34.44
50	21.10	33.76	300	11.85	34.08
75	18.10	34.44	400	3.55	34.04
100	18.00	34.36	500	1.32	-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	00:00	1060			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	7	1020	15.4				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.56	33.50	125	14.50	34.25
10	20.76	33.57	150	14.10	34.43
20	20.90	33.43	200	11.05	34.41
30	20.84	33.43	250	8.90	34.29
50	18.50	34.01	300	5.00	34.15
75	16.08	34.33	400	1.80	34.06
100	14.98	34.27	500	1.10	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	11	21:40	1800			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1017	18.0				B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.30	33.36	125	8.38	34.26		
10	20.40	33.41	150	5.59	34.15		
20	20.39	33.36	200	3.90	34.09		
30	20.09	33.36	250	3.17	34.06		
50	16.29	34.12	300	1.22	34.03		
75	15.24	34.29	400	0.90	34.06		
100	13.52	34.36	500	0.80	34.04		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	11	19:45	2250			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1017	19.6				B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.94	33.29	125	4.19	34.06		
10	19.00	33.27	150	2.54	34.04		
20	20.04	33.35	200	1.90	34.04		
30	15.90	34.22	250	1.51	34.04		
50	13.59	34.31	300	1.12	34.02		
75	10.72	34.37	400	0.88	34.06		
100	7.03	34.06	500	0.75	34.05		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	11	17:50	1980			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1017	18.6				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.32	33.43	125	3.50	34.04		
10	20.33	33.39	150	2.76	34.04		
20	19.40	33.78	200	1.69	34.02		
30	15.22	34.17	250	1.11	34.02		
50	14.20	34.27	300	0.88	34.03		
75	9.60	34.27	400	0.78	34.04		
100	5.63	34.14	500	0.72	34.04		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	11	15:55	2070	3	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1017	26.6				B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.37	33.35	125	4.86	34.25		
10	20.49	33.31	150	2.66	34.21		
20	20.32	33.27	200	2.00	34.06		
30	20.30	33.26	250	1.99	34.04		
50	15.70	33.63	300	1.40	34.03		
75	13.56	34.29	400	0.92	33.90		
100	8.86	34.23	500	0.82	34.19		

12월 (December)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	6	15:15	58	2	8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1026.0	11.2				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.12		34.12	30		13.54	34.18
10	14.40		34.15	53		11.12	34.26
20	14.23		34.14				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	6	14:35	320	2	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1026.0	12.7				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	13.80		34.17	100		2.72	33.91
10	13.75		34.15	125		2.18	34.04
20	13.78		34.17	150		1.40	34.03
30	13.20		34.24	200		1.09	34.03
50	6.38		34.17	250		0.88	34.00
75	5.25		34.13	300		0.73	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	6	13:50	710	2	13	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1026.0	13.9				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.80	34.19	125	2.74	34.05
10	14.07	34.18	150	1.90	34.04
20	13.98	34.18	200	1.32	34.03
30	13.92	34.18	250	0.93	34.06
50	12.68	34.24	300	0.75	34.04
75	7.08	34.18	400	0.74	34.06
100	5.00	34.11	500	0.58	34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	6	12:00	1120	3	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1028.0	10.6		Cl	4	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	16.22	34.21	125	6.32	34.10		
10	16.15	34.25	150	3.96	34.07		
20	16.30	34.19	200	2.28	34.06		
30	16.49	34.12	250	1.28	34.04		
50	16.39	34.18	300	0.92	34.06		
75	15.91	34.30	400	0.69	34.14		
100	13.51	34.40	500	0.58	34.03		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	6	10:10	1620	3	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1028.0	12.6		Cl	5	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.38	34.15	125	9.75	34.32
10	16.72	34.15	150	6.80	34.26
20	16.88	34.22	200	4.20	34.13
30	16.88	34.24	250	2.06	34.06
50	16.80	34.24	300	1.18	34.09
75	16.70	34.17	400	0.92	34.10
100	14.60	34.44	500	0.79	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	6	08:20	1060	3	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1027.0	6.1		C1	4	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.15	34.26	125	13.65	34.30
10	17.37	34.23	150	8.74	34.27
20	17.27	34.22	200	6.80	34.15
30	17.35	34.22	250	2.40	34.04
50	17.40	34.24	300	2.30	34.04
75	17.38	34.23	400	2.19	-
100	16.01	34.36	500	0.82	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	6	06:30	1800			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1026.0	4.3				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.96	34.25	125	6.60	34.20
10	17.30	34.28	150	3.10	34.08
20	17.34	34.25	200	2.26	34.13
30	17.36	34.22	250	1.60	34.05
50	16.33	34.33	300	1.10	34.07
75	15.40	34.24	400	0.85	34.05
100	11.40	34.45	500	0.79	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	6	04:40	2250				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1026.0	4.0				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.14	33.86	125	14.25	34.41
10	17.20	34.20	150	11.80	34.39
20	17.10	34.27	200	7.60	34.36
30	17.35	34.26	250	4.60	34.29
50	17.28	34.28	300	2.76	34.26
75	17.33	34.27	400	1.84	34.17
100	15.39	34.27	500	1.03	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	6	02:50	1480				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1025.0	4.1				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.55	34.13	125	14.10	34.17
10	15.34	34.14	150	12.87	34.40
20	15.60	34.36	200	10.91	34.40
30	15.63	34.13	250	8.20	34.25
50	15.00	34.11	300	5.80	34.18
75	15.00		400	3.10	34.06
100	14.82	34.27	500	1.98	34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	6	01:00	1070				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1025.0	9.2				B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	14.39	33.98	125	12.09	34.01		
10	14.00	34.01	150	11.04	33.84		
20	14.25	34.02	200	9.60	34.25		
30	14.22	34.01	250	8.06	34.22		
50	14.22	33.98	300	5.27	34.11		
75	14.21	34.01	400	1.83	34.04		
100	14.14	34.00	500	1.00	34.04		

105 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE105

2 월 (February)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	27	11:40	48	3	17	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016	12.5		Cl	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	10.40		34.11	30		9.61	34.13
10	9.77		34.12	43		9.46	33.93
20	9.62		34.16				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	27	12:15	250	3	17	0	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1019	10.5		Cl	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	9.28		34.12	100		3.01	33.82
10	9.29		34.06	125		2.90	33.87
20	9.21		34.04	150		1.51	33.95
30	9.16		34.17	200		1.12	34.03
50	8.28		34.14	245		0.95	33.99
75	5.49		34.01				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	27	13:10	380	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1015	10.2		Cl	4	BC
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	9.40	34.08		125	4.44	34.02	
10	9.19	33.99		150	2.30	34.04	
20	9.09	33.95		200	1.90	33.91	
30	9.06	34.05		250	1.25	34.03	
50	9.06	34.05		300	0.96	34.04	
75	7.99	34.04		375	0.84	34.04	
100	7.23	34.04					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	27	15:00	810	3	19	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1014	11.7		Cl	2	B
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	9.89	34.06		125	8.88	34.02	
10	9.64	34.06		150	8.69	33.95	
20	9.60	34.06		200	8.60	34.02	
30	9.55	34.08		250	7.14	34.00	
50	9.55	33.97		300	5.28	34.12	
75	9.52	33.99		400	3.24	33.72	
100	9.27	34.01		500	2.97	33.75	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	27	16:55	1480	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1012	10.5		C1	2	B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	9.77		34.06		125	9.64	34.13
10	9.77		34.08		150	9.63	34.09
20	9.64		33.84		200	9.62	34.05
30	9.64		33.95		250	9.58	34.04
50	9.65		34.08		300	8.40	34.19
75	9.65		34.14		400	7.38	34.19
100	9.65		33.75		500	5.30	33.66

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	27	18:45	1503			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1012	9.0	8.9			BC
Z m	T °C		S ‰		Z m	T °C	S ‰
0	9.18		34.01		125	9.70	34.12
10	9.47		34.03		150	9.70	34.12
20	9.69		34.09		200	9.67	34.11
30	9.70		34.05		250	9.65	34.02
50	9.72		34.05		300	8.47	34.09
75	9.72		34.07		400	6.45	34.08
100	9.70		34.06		500	5.40	34.09

3월 (March)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	3	03:50	1140			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	1020	10.6	9.5			R
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	11.40		34.00	125		11.10	34.04
10	11.50		34.03	150		10.35	34.05
20	11.45		34.02	200		9.61	34.04
30	11.45		34.02	250		7.21	34.04
50	11.21		34.02	300		3.91	34.03
75	11.21		34.03	400		2.61	34.05
100	11.12		34.04	500		1.80	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	3	02:00	1140			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1020	9.8	9.7			R
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	10.65		33.66	125		8.22	34.03
10	10.61		33.98	150		6.90	34.03
20	10.48		34.01	200		6.35	34.03
30	9.82		34.01	250		4.80	34.16
50	9.22		33.93	300		3.12	34.17
75	9.00		33.92	400		1.75	34.06
100	8.30		34.03	500		1.35	34.70

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	3	00:05	2375			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1020	8.8	8.6			BC
Z m	T ℃		S ‰		Z m	T ℃	S ‰
0	8.45		34.00		125	8.18	34.04
10	8.54		34.03		150	8.04	34.05
20	8.52		34.02		200	6.37 8.04	34.04
30	8.27		34.02		250	4.96	34.04
50	8.27		34.02		300	2.67	34.03
75	8.25		34.03		400	1.97	34.05
100	8.24		34.04		500	1.11	34.06

4 월 (April)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	17	11:20	48	4	9	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1019	14.0	13.4	Cs	9	C
Z m	T ℃		S ‰		Z m	T ℃	S ‰
0	10.50		34.24		30	9.08	34.16
10	9.85		34.18		43	7.50	34.17
20	9.10		34.15				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	0:35	250	4	11	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1019	13.3	12.6	CS	9	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.15	34.16	100	8.60	34.22
10	10.10	34.18	125	6.45	34.15
20	10.00	34.20	150	5.63	34.10
30	9.90	34.20	200	4.07	34.04
50	9.60	34.22	245	2.74	33.98
75	9.50	34.22			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	09:40	380	4	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1018.5	13.2	13.1	Cs	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.09	34.22	125	7.80	34.11
10	9.60	34.22	150	4.30	34.04
20	9.52	34.22	200	1.67	33.96
30	9.42	34.24	250	1.01	33.97
50	9.10	34.20	300	0.73	33.99
75	8.60	34.16	375	0.65	34.00
100	8.00	34.14			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	07:50	810	4	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1019	11.8		CS	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	9.60	34.15	125	2.63	33.99		
10	9.30	34.15	150	1.43	34.00		
20	7.84	34.11	200	0.91	34.02		
30	7.25	34.08	250	0.77	34.02		
50	5.90	34.08	300	0.60	34.04		
75	4.38	34.07	400	0.50	34.06		
100	3.60	34.03	500	0.50	34.09		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	06:00	1480			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018	9.9				C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	9.90	34.24	125	2.92	33.98		
10	9.18	34.15	150	1.43	33.91		
20	7.81	34.07	200	0.82	34.04		
30	6.07	34.03	250	0.73	34.00		
50	5.51	34.01	300	0.62	33.96		
75	4.58	33.98	400	0.54	33.99		
100	3.80	33.98	500	0.50	34.02		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	04:10	1503			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1017	10.0				C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.85	34.24	125	2.38	33.98
10	9.81	34.24	150	2.05	33.95
20	9.60	34.15	200	1.01	33.93
30	9.17	34.03	250	0.79	33.97
50	6.10	34.00	300	0.68	34.02
75	4.25	33.98	400	0.59	33.98
100	3.17	33.98	500	0.49	33.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	02:20	1140			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
AN	4	1016	11.1	10.6			C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.72	34.43	125	2.65	34.01
10	11.05	34.43	150	2.41	33.96
20	11.20	34.40	200	1.15	33.94
30	11.05	34.33	250	0.85	33.95
50	8.45	34.19	300	0.70	33.96
75	5.95	34.07	400	0.59	33.95
100	3.78	34.04	500	0.49	33.94

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	00:30	1140			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1016	11.8	11.1			C
Z m	T °C		S ‰		Z m	T °C	S ‰
0	12.30		34.43		125	6.39	33.96
10	12.58		34.43		150	5.45	33.94
20	12.75		34.43		200	2.00	33.89
30	12.71		34.46		250	1.21	33.90
50	12.65		34.33		300	0.85	33.91
75	12.21		33.98		400	0.72	33.98
100	9.80		33.98		500	0.61	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	16	22:40	2375			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1014	11.9				C
Z m	T °C		S ‰		Z m	T °C	S ‰
0	11.07		34.28		125	5.48	33.98
10	10.95		34.28		150	2.75	33.97
20	10.23		34.24		200	1.30	33.96
30	9.89		34.15		250	1.00	33.95
50	9.43		34.15		300	0.90	33.94
75	8.77		34.15		400	0.72	33.98
100	8.05		34.07		500	0.62	34.03

5 월 (May)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	11:10	48	2	8		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1010.0	24.4	20.2			C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.70		34.44	30		11.48	34.34
10	13.64		34.37	43		8.62	34.22
20	12.72		34.40				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	12:00	250	3	7		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1010.0	21.4	18.6	Cl	7	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.21		34.40	100		4.41	34.07
10	13.25		34.41	125		3.38	33.99
20	12.95		34.43	150		2.30	34.01
30	12.55		-	200		1.59	34.01
50	9.52		34.43	245		1.09	34.01
75	7.50		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	13:20	380	3	7		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1010.0	15.4		Cl	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.12		34.50	100	4.70		34.06
10	14.10		34.51	125	3.25		34.06
20	13.51		34.50	150	2.30		34.04
30	10.32		34.98	200	1.74		34.04
50	6.69		34.20	250	1.09		34.00
75	6.01		34.13	300	0.95		34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	10	17:00	810	2	8		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1010.0	15.0	14.8	Ac	8	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.69		34.01	100	4.65		34.49
10	13.60		34.03	125	3.35		34.48
20	13.09		34.03	150	2.31		34.46
30	11.51		34.01	200	1.31		34.36
50	9.31		34.04	250	1.10		34.10
75	8.24		34.46	300	0.95		34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	10	19:10	1480			3	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1008.0	14.4				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.84		34.46	100	3.64		34.00
10	13.60		34.37	125	2.70		34.00
20	11.72		34.27	150	1.99		34.01
30	10.40		34.33	200	1.18		34.01
50	8.70		34.20	250	0.78		34.03
75	4.60		34.04	300	0.75		34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	10	21:25	1503			2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1010.0	15.3				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.31		34.52	100	12.60		34.64
10	15.12		34.55	125	10.52		34.47
20	14.86		34.44	150	5.98		34.36
30	14.50		34.54	200	1.78		34.00
50	13.72		34.55	250	1.38		33.96
75	12.62		-	300	1.36		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	10	23:25	1140			3	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1011.0	15.5	14.6			B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.10		34.41	100	10.70		34.35
10	13.85		34.46	125	9.89		-
20	13.53		34.52	150	7.48		34.19
30	13.32		34.53	200	3.18		34.19
50	12.97		34.50	250	1.68		-
75	11.99		34.47	300	1.35		34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	11	01:30	1140				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1011.0	14.6	13.8			B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.26		34.19	100	4.89		34.05
10	13.20		34.09	125	3.50		34.37
20	12.80		34.05	150	2.16		34.42
30	12.52		33.94	200	2.05		34.38
50	10.10		33.95	250	1.45		34.43
75	7.29		34.01	300	1.12		34.35

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	11	03:25	2375				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1011.0	13.6				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.58	34.04	100	6.31	34.45
10	13.55	34.03	125	3.51	34.41
20	12.90	33.97	150	2.29	34.52
30	12.20	34.02	200	1.92	34.36
50	10.12	34.06	250	1.59	34.36
75	9.25	34.42	300	1.21	34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	11	05:30	2250	3	12		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1011.0	13.6		Cl	4	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.90	34.35	100	8.25	34.22
10	13.89	34.46	125	8.20	34.27
20	13.51	34.47	150	4.30	34.09
30	13.40	34.60	200	2.60	34.96
50	12.90	34.45	250	2.39	34.11
75	10.31	34.36	300	1.56	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	11	07:25	2470	2	15	3	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1011.0	16.8		Ci	2	B
Z	T		S	Z		T	S
m	°C		‰	m		°C	‰
0	15.10		34.60	100		11.84	34.51
10	15.05		34.43	125		10.60	34.38
20	14.74		34.48	150		7.42	34.18
30	14.60		34.49	200		2.50	34.04
50	13.59		34.60	250		1.45	34.19
75	12.20		34.44	300		1.04	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	11	09:25	1300	2	14	3	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1012.0	15.4		Ci	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.29	34.44	100	10.80	34.35
10	14.10	34.50	125	9.30	34.29
20	13.90	34.47	150	6.99	34.12
30	12.90	34.44	200	3.18	-
50	11.82	34.51	250	1.63	33.88
75	10.87	34.44	300	1.16	34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	11	11:25	13.4	2	14	2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1011.0	17.5		Cl	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.75	34.41	100	9.70	34.23
10	13.35	34.40	125	8.10	34.15
20	12.75	34.24	150	5.58	-
30	10.85	34.32	200	4.24	34.04
50	10.10	34.31	250	3.53	34.01
75	9.78	34.45	300	1.10	34.03

6 월 (June)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	9	20:30	48			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1010	17.5				BC

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	17.20	34.08	5.28	0.50	30	10.48	34.20	6.31	0.80
10	17.18	34.07	5.73	0.34	43	8.24	34.20	5.60	0.68
20	15.52	34.11	5.75	0.39					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	9	19:40	250			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1010	17.8				BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	16.55	34.06	100	3.17	33.97
10	16.48	34.12	125	1.85	34.03
20	12.90	34.13	150	1.57	34.00
30	11.73	34.18	200	1.25	33.98
50	5.45	34.09	245	1.02	33.98
75	3.95	34.02			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
05	9	18:10	380			4	2		
Wind		Baro.	Air Temp.		Cloud		Weather		
Direction	Force		Dry	Wet	Type	Amount			
W	4	1010	18.9		Ns	10	C		
Z m	T °C	S ‰	O2 cc/L	PO4-P μg.at/L	Z m	T °C	S ‰	O2 cc/L	PO4-P μg.at/L
0	16.85	34.08	5.71	0.41	125	1.40	34.03	5.71	-
10	16.80	34.16	5.71	0.07	150	1.40	33.99	5.45	1.04
20	14.20	34.18	6.18	0.18	200	0.98	34.03	5.41	1.73
30	6.45	34.18	5.41	1.00	250	0.78	34.03	5.60	-
50	4.32	34.11	5.61	1.04	300	0.70	34.04	5.58	1.48
75	3.20	-	6.61	-	375	0.67	33.97	5.72	1.39
100	1.80	33.97	5.75	1.29					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	9	16:00	810	2	18	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1010	20.6		Ns	7	BC
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	17.44	34.03		125	2.75	33.95	
10	17.38	34.00		150	1.72	33.96	
20	16.40			200	1.50	33.94	
30	11.99	34.14		250	1.47	33.94	
50	7.73	34.13		300	1.00	33.97	
75	3.86	33.94		400	0.79	33.97	
100	3.44	33.94		500	0.73	33.97	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	9	13:35	1480	2	15	2	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1014	22.2		As	9	C

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	18.48	33.97	5.31	0.07	125	12.73	34.42	5.12	—
10	18.45	33.98	5.25	1.04	150	11.88	—	5.44	0.36
20	17.10	34.27	5.52	0.43	200	9.55	34.26	5.33	0.34
30	16.20	34.37	5.51	0.16	250	3.90	33.99	5.48	—
50	14.72	34.40	5.21	0.18	300	2.12	—	5.71	0.36
75	13.85	34.36	5.08	—	400	1.15	33.97	5.71	0.70
100	13.48	34.40	5.51	0.50	500	0.88	33.94	5.53	1.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	9	11:35	1503	2	20	2	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1014	22.2	21.9	Cu	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.47	34.10	125	12.38	34.41
10	17.32	34.20	150	11.57	34.35
20	16.93	34.30	200	7.08	34.10
30	16.53	—	250	3.19	33.92
50	14.29	34.34	300	1.94	33.92
75	13.90	34.49	400	1.10	33.97
100	12.86	34.36	500	0.90	33.91

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	9	09:35	1140	2	20	2	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1014	23.7	22.7	Ci	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.85	34.17	125	11.10	34.40
10	17.79	34.20	150	10.39	34.30
20	16.70	34.49	200	5.90	34.13
30	15.58	34.54	250	2.30	33.98
50	13.98	34.56	300	1.45	33.90
75	12.43	34.57	400	1.03	33.92
100	11.88	34.54	500	0.85	-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	9	07:30	1140	2	20	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014	20.1	19.5	Cl	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.68	34.35	125	9.28	34.19
10	15.70	34.42	150	8.28	34.16
20	15.58	34.41	200	4.71	34.08
30	15.49	34.38	250	2.52	34.06
50	13.72	34.37	300	1.50	34.03
75	13.38	34.24	400	1.04	34.01
100	9.37	34.18	500	0.88	34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	9	05:30	2375			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1014	17.9				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.15	34.39	125	7.55	34.20
10	16.02	34.31	150	6.28	34.06
20	14.45	34.29	200	3.82	34.09
30	12.50	34.29	250	2.00	33.97
50	10.66	-	300	1.18	33.96
75	9.72	34.16	400	0.80	33.99
100	8.80	34.20	500	0.60	34.03

7월 (July)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	11:10	48	4	14	SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1003	23.2		Sc	10	C

Z m	T ℃	S ‰	O2 cc/L	PO2-P μg-at/L	Z m	T ℃	S ‰	O2 cc/L	PO4-P μg-at/L
0	21.68	32.94	4.85	0.05	30	11.57	33.82	-	-
10	20.91	33.40	5.41	0.18	43	10.58	34.22	6.30	0.39
20	12.86	33.47	6.02	0.20					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	13:20	250	4	14	SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1003	23.6		As	7	BC

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	21.93	33.60	100	1.70	34.18
10	13.60	33.65	150	1.65	34.16
20	10.33	33.86	200	1.35	34.15
30	4.70	34.16	245	1.26	34.14
50	2.71	34.21			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
05	7	14:20	380	4	11	SE 3	SE 2		
Wind		Baro.	Air Temp.		Cloud		Weather		
Direction	Force		Dry	Wet	Type	Amount			
SE	3	1003	23.9		As	7	BC		
Z m	T °C	S ‰	O2 cc/L	PO4-P μg. at/L	Z m	T °C	S ‰	O2 cc/L	PO4-P μg. at/L
0	21.60	33.13	4.70	0.07	100	2.87	33.86	5.61	1.02
10	12.35	33.17	5.80	0.20	150	2.00	33.91	4.99	1.27
20	8.83	33.38	6.51	0.27	200	1.31	34.02	5.11	1.50
30	6.16	33.47	5.11	0.75	300	1.97	34.14	5.01	1.57
50	3.80	33.79	5.91	0.91	375	1.55	34.16	5.12	1.66

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
06	7	16:30	810	4	12	SE 3	SE 2		
Wind		Baro.	Air Temp.		Cloud		Weather		
Direction	Force		Dry	Wet	Type	Amount			
SE	4	1002	23.4		Ac	4	BC		
Z m	T °C	S ‰				Z m	T °C	S ‰	
0	21.30	33.06				150	2.00	33.92	
10	13.30	33.09				200	1.60	33.93	
20	9.76	33.43				300	1.12	34.02	
30	7.80	33.45				400	0.92	34.07	
50	4.30	33.79				500	0.72	34.13	
100	2.16	33.86							

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	7	18:30	1480	6	14	SE 4	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1002	22.3		Ac	2	B

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	17.49	33.24	6.25	0.16	150	10.27	33.75	4.80	0.66
10	14.32	33.28	5.52	0.20	200	5.56	33.91	4.62	1.10
20	13.88	33.33	4.81	0.41	300	1.73	34.00	5.71	1.11
30	13.68	33.45	4.51	0.50	400	1.03	34.23	5.71	1.02
50	13.65	33.52	4.52	0.55	500	0.82	34.31	5.35	1.04
100	12.80	33.63	4.45	0.64					

8 월 (August)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	13:30	48	3	12	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1009	26.8		Ac	7	BC

Z m	T ℃	S ‰	O2 cc/L	PO4-P μg.at/L	Z m	T ℃	S ‰	O2 cc/L	PO4-P μg.at/L
0	24.75	32.74	4.41	0.27	30	10.90	34.39	4.61	1.18
10	19.84	33.62	4.15	0.34	43	8.90	34.33	4.83	1.25
20	12.33	34.34	4.25	1.16					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	12:45	250	3	13	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1009	26.8		Ac	8	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	24.07		33.04	100	3.73		-
10	24.18		33.96	125	2.63		34.15
20	12.74		33.97	150	1.88		34.13
30	11.13		34.39	200	1.00		34.15
50	7.77		34.33	245	0.87		34.07
75	6.26		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	11:20	380	3	14	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1009	26.8		Ac	7	BC

Z m	T °C	S ‰	O2 (% / L	PO4 -P µg at / L	Z m	T °C	S ‰	O2 (% / L	PO4 -P µg at / L
0	23.61	33.12	4.52	0.20	125	5.81	34.22	-	-
10	23.59	33.03	-	0.25	150	4.12	34.18	5.21	1.18
20	18.21	33.56	5.20	0.41	200	2.42	34.15	5.21	1.38
30	15.42	33.98	4.50	0.61	250	1.49	34.14	-	-
50	14.12	34.34	-	0.91	300	0.91	34.14	5.41	1.45
75	9.09	-	-	-	375	0.89	34.14	5.01	1.52
100	8.10	34.35	5.21	0.93					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	10	09:20	810	3	14	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1007	26.9		Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	25.19	32.83	125	12.83	34.57
10	23.71	—	150	10.39	34.47
20	21.10	34.19	200	7.10	34.27
30	17.99	34.02	250	3.70	34.18
50	16.08	34.16	300	1.70	34.18
75	14.97	34.27	400	1.18	34.15
100	14.30	34.47	500	0.99	34.18

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	10	07:10	1480	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1006	25.6		AC	8	C

Z m	T °C	S ‰	O2 (% / L	PO4-P µg at / L	Z m	T °C	S ‰	O2 (% / L	PO4-P µg at / L
0	25.60	—	3.98	0.32	125	8.80	34.33	—	—
10	25.90	33.04	3.92	0.16	150	7.40	34.29	5.10	0.71
20	24.58	33.81	4.85	0.27	200	4.99	34.19	5.31	0.93
30	21.19	33.87	4.41	0.25	250	3.68	34.17	—	—
50	17.50	34.29	4.29	0.39	300	2.01	34.13	5.51	1.18
75	15.24	34.38	—	—	400	1.00	34.15	5.48	1.34
100	13.90	—	4.91	0.48	500	0.78	34.16	5.11	1.63

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	10	05:10	1503			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	7	1000	25.6				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	26.89	32.86	125	12.19	34.55
10	24.56	33.72	150	11.19	34.49
20	17.21	34.07	200	7.98	34.40
30	15.12	34.12	250	3.12	34.32
50	15.03	34.48	300	1.98	34.35
75	14.12	34.53	400	1.06	34.22
100	13.76	34.55	500	0.67	34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	10	03:10	1140			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	6	1006	26.4				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	26.20	32.65	125	12.35	34.57
10	21.10	33.69	150	11.16	34.52
20	17.49	34.06	200	9.91	34.39
30	10.95	34.10	250	9.10	34.34
50	15.49	34.49	300	8.35	34.31
75	14.21	34.53	400	5.55	34.22
100	12.75	34.55	500	3.10	34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	10	01:15	1140			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	6	1006	27.0				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.10		32.69	125	14.48		34.53
10	25.30		33.90	150	13.43		34.55
20	18.52		34.08	200	12.00		34.53
30	16.63		34.42	250	10.53		34.46
50	15.08		34.45	300	9.32		34.39
75	14.90		34.54	400	5.94		34.27
100	14.72		34.54	500	3.10		34.19

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	9	23:20	2375			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	6	1007.5	27.6				BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.25		32.76	125	11.22		34.47
10	21.58		33.83	150	9.15		34.43
20	17.70		34.02	200	8.89		34.31
30	16.07		34.33	250	6.99		34.26
50	14.63		34.44	300	3.24		34.15
75	14.02		34.56	400	1.72		34.12
100	12.30		34.47	500	1.21		34.14

10월 (October)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
03	13	09:40	48	3	15	4	1	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NW	5	1027	14.3		Ac	10	C	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	15.61		33.31		30	17.69		33.28
10	17.52		33.27		43	16.55		33.27
20	17.70		33.27					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	10:15	250	3	17	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1027	14.2		Ns	10	R

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.21	33.31	100	6.09	34.01
10	19.43	33.33	125	3.32	34.03
20	18.99	33.20	150	2.03	34.03
30	17.60	33.19	200	0.99	34.02
50	12.40	33.98	245	0.82	34.05
75	8.80	34.04			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	08:50	380	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1015	15.8		C1	3	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.76	33.42	125	3.98	34.08
10	20.00	33.37	150	2.47	34.09
20	17.54	33.50	200	1.79	34.04
30	15.22	33.87	250	0.93	34.08
50	11.50	34.24	300	0.70	34.08
75	8.45	34.22	375	0.66	34.07
100	6.20	34.08			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	10:35	810	3	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1015	19.7		C1	3	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.72	33.70	125	10.43	34.06
10	21.05	33.67	150	7.20	34.04
20	21.20	33.69	200	4.05	34.05
30	20.82	33.70	250	1.00	34.05
50	17.07	33.84	300	0.88	34.06
75	14.58	33.97	400	0.72	34.06
100	12.32	34.37	500	0.62	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	12:25	1480	2	17	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1012	21.1				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.60		33.85	125	15.38		34.40
10	21.90		33.84	150	10.70		34.34
20	22.06		33.84	200	3.65		34.13
30	22.10		33.84	250	2.50		34.09
50	21.10		33.96	300	1.66		-
75	18.80		34.29	400	0.74		34.07
100	16.54		34.28	500	0.62		34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	14:15	1503	2	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1011	20.1		C1	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.95		33.84	125	13.24		34.29
10	21.99		33.84	150	10.22		34.45
20	22.04		33.82	200	8.45		34.25
30	22.00		33.82	250	3.85		34.10
50	21.98		33.81	300	1.46		34.08
75	17.56		34.05	400	0.90		34.06
100	15.90		34.35	500	0.70		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	16:05	1140	2	16	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	7	1011	20.6		Cl	3	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.71	33.76	125	14.23	34.35
10	21.77	33.74	150	13.89	34.35
20	21.88	34.00	200	10.69	34.35
30	21.89	33.77	250	3.00	34.18
50	21.89	33.75	300	2.10	34.05
75	17.76	34.22	400	1.00	34.03
100	16.67	34.32	500	0.75	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	15	18:00	1800			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	7	1012	18.5				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.15	33.71	125	13.20	34.29
10	21.46	33.69	150	11.12	34.36
20	21.61	33.70	200	9.07	34.26
30	21.68	33.69	250	7.30	34.16
50	21.70	33.71	300	3.00	34.03
75	19.60	34.16	400	0.99	34.04
100	16.12	34.25	500	0.76	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	15	19:50	2375			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	6	1013	18.2				B
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	21.43		33.71	125		12.05	34.43
10	21.85		33.74	150		10.93	34.36
20	21.90		33.71	200		9.61	34.28
30	21.90		33.71	250		7.50	34.21
50	20.03		33.72	300		3.09	34.10
75	17.50		34.10	400		1.14	34.06
100	15.40		34.20	500		0.78	34.06

12 월 (December)

조 사 선 지 리 산 호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	6	18:00	48			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1026.0	9.6				B
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	13.10		34.16	30		13.96	34.12
10	13.90		34.17	43		13.20	34.04
20	14.06		34.14				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	6	18:35	250			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1026.0	9.5				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.30		34.17	100	5.50		34.10
10	15.48		34.14	125	5.22		34.20
20	14.10		34.15	150	1.50		-
30	13.46		34.13	200	1.16		33.98
50	8.40		34.02	245	1.09		33.97
75	7.10		34.11				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	6	19:25	380			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1026.0	9.8				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.20		34.11	125	2.88		34.10
10	15.95		34.12	150	1.68		34.08
20	16.10		34.10	200	1.18		34.05
30	14.45		34.35	250	0.89		34.08
50	11.49		34.31	300	0.69		34.08
75	7.81		34.20	375	0.60		34.10
100	6.78		34.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	6	21:10	810			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1026.0	9.8				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.66	34.19	125	8.42	34.18
10	16.18	34.19	150	5.61	34.14
20	16.47	34.20	200	2.18	34.06
30	16.52	34.18	250	1.36	34.06
50	16.27	34.22	300	1.20	34.04
75	15.37	34.17	400	0.85	34.03
100	11.62	34.43	500	0.82	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	6	23:00	1480			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1024.0	9.7				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.56	34.20	125	8.15	34.11
10	16.57	34.20	150	5.18	34.06
20	16.55	34.22	200	2.93	34.04
30	16.68	34.20	250	1.38	34.03
50	16.71	34.16	300	1.02	34.01
75	16.03	34.42	400	0.80	34.06
100	12.98	-	500	0.70	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	7	00:50	1503			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1026.0	8.5				B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	14.18	34.01	125	10.88	34.31		
10	15.89	34.00	150	6.00	34.17		
20	16.10	33.97	200	3.68	34.07		
30	16.13	34.01	250	1.45	34.02		
50	16.08	34.30	300	1.14	34.02		
75	14.29	34.02	400	0.88	34.04		
100	11.13	34.36	500	0.70	34.06		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	7	02:35	1140			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	11.1				B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	16.81	34.25	125	16.43	34.13		
10	16.91	34.21	150	15.09	34.24		
20	16.95	34.20	200	11.10	34.32		
30	16.98	34.21	250	5.60	34.14		
50	17.03	34.20	300	4.39	34.04		
75	16.76	34.18	400	2.62	34.03		
100	16.75	34.13	500	1.91	34.00		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	7	04:20	1800				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	11.6				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.70	34.04	125	11.94	34.11
10	15.64	33.99	150	10.32	34.29
20	16.08	33.98	200	9.00	34.31
30	16.16	33.98	250	7.62	34.21
50	16.08	34.00	300	5.30	34.14
75	14.08	33.99	400	2.73	34.10
100	12.10	-	500	0.55	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	7	06:05	2375				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1025.0	11.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.73	34.06	125	15.25	34.05
10	16.08	34.06	150	14.58	34.36
20	16.05	34.06	200	12.80	34.43
30	16.10	34.04	250	8.98	34.26
50	16.21	34.07	300	5.76	34.17
75	16.32	34.03	400	2.90	34.09
100	16.15	34.05	500	0.91	34.08

104 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 104

2 월 (February)

조사선 지리산호 (Ji Ri San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	25	11:50	110	5	13	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1028	2.9	2.8		10	S

Z m	T °C	S ‰	Z m	T °C	S ‰
0	9.62	34.27	50	10.12	33.99
10	9.99	34.01	75	9.43	33.99
20	10.12	34.21	105	5.42	34.14
30	10.12	34.25			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	25	11:15	220	5	13	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1026	3.2		NS	10	S

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.20	34.19	75	10.29	34.26
10	10.23	34.90	100	9.55	33.81
20	10.35	34.13	125	5.25	33.76
30	10.10	34.39	150	2.92	33.73
50	10.30	34.19	215	1.43	33.82

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	25	09:50	600	4	16	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1020	4.0		Ns	10	S

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.03	33.98	125	5.82	34.29
10	10.25	33.94	150	5.29	34.30
20	10.30	33.89	200	3.50	34.32
30	10.35	34.09	250	2.40	34.10
50	10.32	33.94	300	1.82	34.06
75	9.53	34.25	400	1.20	34.04
100	7.72	34.30	500	0.75	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	25	08:30	1050	4	15	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1020	3.8	3.6	NS	9	S

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.37	34.10	125	5.99	34.20
10	10.50	34.03	150	3.80	34.03
20	10.51	34.02	200	2.90	34.06
30	10.54	34.03	250	1.80	34.04
50	10.58	34.01	300	1.43	34.04
75	10.52	34.01	400	1.12	34.04
100	10.20	34.05	500	0.83	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	25	06:35	720	3	17	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	16	1020	3.8		NS	10	S
Z m	T °C		S ‰		Z m	T °C	S ‰
0	9.29		34.01		125	8.40	34.04
10	9.92		34.01		150	5.70	34.04
20	9.98		34.01		200	3.80	34.03
30	9.91		34.02		250	2.55	34.04
50	9.91		34.04		300	2.00	34.06
75	9.41		34.01		400	1.20	34.04
100	8.80		34.01		500	0.90	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	25	04:40	2340			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1020	3.8				S
Z m	T °C		S ‰		Z m	T °C	S ‰
0	9.98		33.98		125	8.42	34.00
10	10.10		34.00		150	4.45	33.87
20	10.05		34.08		200	3.12	33.88
30	10.05		34.08		250	2.30	34.03
50	10.03		34.03		300	1.75	34.04
75	10.00		34.01		400	1.41	34.03
100	9.20		34.01		500	1.30	34.89

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	25	02:45	100			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1020	10.0				R

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.35	34.03	125	10.10	33.42
10	10.21	34.03	150	10.12	33.95
20	10.21	33.60	200	10.00	34.00
30	10.20	33.58	250	10.00	34.04
50	10.20	33.51	300	10.00	34.11
75	10.19	33.78	400	7.20	34.12
100	10.10	33.51	500	5.20	33.92

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	25	00:50	2325			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1020	5.2				R

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.59	34.03	125	10.20	34.08
10	10.52	34.04	150	9.92	34.03
20	10.58	33.85	200	9.80	34.04
30	10.51	33.91	250	9.60	34.04
50	10.50	34.00	300	9.60	34.05
75	10.50	33.99	400	5.54	34.04
100	10.50	34.02	500	3.68	34.05

3 월(March)

조사선 지리산호 (Ji Ri San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	22	09:35	110	4	13	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1019.0	13.0	11.8	Cl	6	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.10	34.58	50	5.59	34.40
10	12.00	34.58	75	3.50	33.91
20	11.20	34.49	100	2.80	33.86
30	9.90	34.42			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	22	10.10	220	4	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.0	14.4	10.8	Cl	6	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.30	34.58	100	3.25	34.04
10	12.25	34.58	125	2.11	33.95
20	12.25	34.49	150	2.05	33.98
30	10.82	34.44	200	1.60	33.99
50	9.61	34.44	215	1.18	33.95
75	3.79	34.31			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	22	11:45	600	4	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1009.0	11.4	9.6	As	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	10.95		34.71	100		8.83	34.20
10	11.93		34.58	125		6.12	34.17
20	12.21		34.49	150		4.21	34.17
30	12.22		34.40	200		2.17	34.22
50	12.07		34.31	250		1.59	34.04
75	11.15		34.24	300		1.21	33.96

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	22	13:05	1050	4	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1009.0	7.8	7.0	Ac	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.65		34.58	100		9.69	34.31
10	12.90		34.60	125		7.92	-
20	12.60		34.60	150		5.80	33.95
30	12.55		34.58	200		4.99	33.95
50	11.49		34.56	250		3.92	33.86
75	12.05		34.45	300		1.31	33.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	22	15.10	720	4	15	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	7	1008.5	4.9	4.8	Ns	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	8.92	34.18	100	8.99	34.20
10	9.12	34.18	125	8.61	34.22
20	9.20	34.22	150	8.19	34.22
30	9.15	34.22	200	6.75	34.16
50	9.15	34.18	250	5.45	34.04
75	8.92	34.22	300	4.82	33.99

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	22	17:00	2340	4	13	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1009.0	5.4	5.4	NS	10	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.00	34.40	100	6.72	34.31		
10	9.45	34.38	125	5.82	34.33		
20	8.72	34.40	150	4.92	34.34		
30	8.15	34.40	200	3.92	34.22		
50	8.10	34.12	250	3.63	34.11		
75	8.92	34.12	300	2.83	34.13		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	22	19:00	1800			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1009.0	4.7		Ns	10	R
Z m	T °C		S ‰	Z m		T °C	S ‰
0	12.42		34.22	100		5.90	34.38
10	12.55		34.49	125		5.05	34.01
20	12.47		34.43	150		4.45	34.01
30	11.70		34.47	200		3.15	34.02
50	11.30		34.43	250		2.00	33.99
75	7.54		34.42	300		1.60	33.90

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	22	20:50	2325			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1019.5	6.0	5.6			C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.20		34.23	100		11.20	34.41
10	11.30		34.19	125		9.75	34.37
20	11.30		34.19	150		5.35	34.25
30	11.29		34.03	200		2.80	34.38
50	11.30		34.03	250		2.00	34.46
75	11.30		34.13	300		1.60	34.37

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	22	22:55	1440				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1010.0	7.2	5.8			C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	10.60	34.27	100	9.45	34.13		
10	11.03	34.27	125	9.95	34.11		
20	11.10	34.22	150	4.80	34.11		
30	11.20	34.22	200	3.32	34.07		
50	11.20	34.18	250	2.12	34.02		
75	11.20	34.16	300	1.65	34.00		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	23	00:45	2010			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1010.0	6.9	4.8	Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.78	34.30	100	10.56	34.34
10	10.90	34.26	125	9.98	34.34
20	11.05	34.30	150	9.65	34.13
30	11.04	34.36	200	8.71	34.10
50	11.00	34.39	250	5.75	34.05
75	10.57	34.39	300	3.15	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	23	02:40	1620			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1013.0	5.4	4.6	Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.92	34.23	100	9.80	34.19
10	9.95	34.22	125	9.75	34.19
20	9.93	34.27	150	9.63	34.14
30	9.91	34.30	200	9.23	34.13
50	9.90	34.22	250	8.25	34.14
75	9.83	34.18	300	6.60	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	23	04:30	1335			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1015.0	5.0	4.4		8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.15	34.25	100	10.20	34.23
10	10.21	34.20	125	10.19	34.26
20	10.19	34.21	150	10.19	34.30
30	10.23	34.21	200	9.32	34.28
50	10.25	34.22	250	9.05	34.23
75	10.10	34.22	300	8.59	34.27

4 월 (April)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	08:25	110	4	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1008	11.4		As	9	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.75	34.33	50	4.66	34.03
10	10.45	34.33	75	4.15	33.98
20	9.45	34.19	105	3.40	34.04
30	5.93	34.07			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	09:00	220	4	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1008	12.5		As	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.86	34.24	100	3.70	33.91
10	9.73	34.19	125	3.37	33.93
20	9.65	34.15	150	3.13	33.95
30	9.06	34.07	200	3.00	33.93
50	4.63	33.98	215	2.73	33.89
75	4.00	33.95			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	10:20	600	4	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1008.5	11.9		As	9	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.05	34.15	125	1.70	33.94
10	9.66	34.15	150	1.30	33.98
20	8.25	34.15	200	1.00	34.07
30	6.18	34.15	250	0.90	34.05
50	5.00	34.07	300	0.75	34.03
75	3.83	34.00	400	0.75	34.07
100	2.30	33.96	500	0.71	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	16	11:40	1050	4	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1008	13.7	13.2	As	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.94	34.47	125	2.26	33.98
10	10.67	34.48	150	1.40	34.03
20	10.59	34.33	200	0.85	34.07
30	9.98	34.24	250	0.73	34.02
50	7.26	34.15	300	0.63	33.94
75	4.70	33.98	400	0.52	33.98
100	3.65	33.98	500	0.46	34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	16	13:35	720	4	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1008	9.1		CS	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.85	34.24	125	2.32	33.96
10	9.68	34.24	150	1.56	33.89
20	9.59	34.24	200	1.12	33.85
30	9.28	34.24	250	0.83	33.89
50	5.43	34.07	300	0.65	33.89
75	4.41	33.94	400	0.58	33.98
100	3.35	33.95	500	0.51	34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	16	15:25	2340	4	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1008	9.2		Cs	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.29	34.16	125	2.83	33.91
10	9.75	33.95	150	2.83	33.91
20	9.69	34.15	200	1.25	33.89
30	9.65	34.15	250	0.98	33.93
50	5.95	33.96	300	0.75	33.95
75	5.16	33.96	400	0.61	33.98
100	4.15	33.94	500	0.50	33.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	16	17:20	1800	4	9	2	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1009	12.6		Cs	10	

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.32	34.60	125	3.68	33.94
10	10.12	34.46	150	2.00	33.94
20	10.09	34.27	200	1.12	33.93
30	10.01	34.19	250	0.90	33.95
50	7.53	34.07	300	0.69	33.96
75	4.79	34.00	400	0.50	34.00
100	3.79	33.97	500	0.42	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	16	19:10	2325			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1010	13.2				C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.10	34.46	125	11.00	34.27
10	13.45	34.46	150	8.67	34.15
20	13.55	34.45	200	2.38	33.98
30	13.30	34.42	250	1.30	33.98
50	13.17	34.42	300	1.06	33.97
75	12.85	34.42	400	0.85	34.22
100	11.98	34.34	500	0.65	34.28

5 월 (May)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	11:50	110	3	8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1021.0	19.6	18.4			B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.72		34.19	50	4.78		34.13
10	11.10		33.93	75	4.22		34.14
20	6.84		34.33	100	2.54		34.03
30	6.16		34.17				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	11:00	220	3	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1021.0	19.4	17.2			B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.45		34.32	75	5.58		34.12
10	12.34		34.36	100	2.64		34.01
20	11.34		34.27	125	2.10		34.06
30	10.54		34.28	150	1.32		34.01
50	8.78		34.31	200	0.92		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	09:10	600	2	10	2	I
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1021.0	18.4				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.40	34.29	100	2.15	34.05
10	11.48	34.31	125	1.40	34.05
20	9.74	34.28	150	0.34	34.05
30	5.10	34.16	200	0.74	34.03
50	2.84	34.05	250	0.60	34.08
75	2.60	33.98	300	0.49	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	07:35	1050	2	12	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1019.0	17.6	17.4	Cl	2	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.04	34.55	100	11.10	34.59		
10	14.85	34.57	125	10.18	34.16		
20	14.30	34.54	150	4.87	34.03		
30	14.02	34.59	200	1.18	34.04		
50	13.80	34.60	250	1.10	34.27		
75	12.80	34.58	300	0.80	--		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	12	05:35	720	2	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1019.0	14.8		Ci	3	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.29	34.49	100	12.00	34.55		
10	15.19	34.53	125	11.90	34.52		
20	15.13	34.54	150	10.80	34.42		
30	14.60	34.60	200	9.43	34.32		
50	13.10	34.63	250	5.92	34.20		
75	12.86	34.59	300	4.12	34.09		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	12	03:20	2340			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1018.0	14.8				B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	14.34	34.56	100	11.59	34.48		
10	14.30	34.59	125	11.27	34.39		
20	14.30	34.60	150	10.25	34.36		
30	14.28	34.56	200	9.91	34.29		
50	12.42	34.48	250	8.30	34.17		
75	11.72	34.49	300	5.29	34.12		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	01:10	1800			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1015.0	15.4	14.8			B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.49	34.51	100	11.50	34.35
10	14.38	34.57	125	10.95	34.40
20	14.00	34.55	150	10.60	34.36
30	13.29	34.50	200	10.12	34.34
50	11.89	34.56	250	8.85	34.31
75	11.97	34.47	300	7.89	34.21

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	11	22:50	2325			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013.0	14.6				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.89	34.54	100	11.60	34.48
10	13.84	34.55	125	11.34	34.44
20	13.76	34.53	150	11.10	34.44
30	13.70	34.56	200	10.60	-
50	12.90	34.53	250	8.24	34.24
75	12.05	34.53	300	5.16	34.11

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	11	20:50	1440			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1011.0	15.0				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.70		34.50	100	12.50		34.55
10	14.58		34.60	125	11.75		34.49
20	14.20		34.62	150	11.44		34.44
30	13.90		34.61	200	10.24		34.33
50	13.12		34.52	250	8.43		34.26
75	12.70		34.53	300	5.10		34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	11	18:50	2010	3	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1011.0	15.2	15.0			B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.60		34.57	100	12.00		34.56
10	14.52		34.55	125	11.99		34.45
20	14.50		34.64	150	11.34		34.41
30	14.28		34.65	200	9.63		34.34
50	13.04		-	250	5.30		34.12
75	12.52		-	300	2.92		34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	11	17:00	1620	4	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1011.5	16.0	15.8	Ci	2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.70	34.52	100	11.63	34.52
10	14.35	34.56	125	11.35	34.44
20	14.15	34.57	150	10.83	34.41
30	14.03	34.58	200	10.30	34.33
50	12.83	34.60	250	8.20	34.24
75	12.01	34.54	300	5.95	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	11	15:00	1335	4	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1011.0	17.0	16.8	Ci	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.44	34.38	100	9.41	34.27
10	13.81	34.43	125	7.30	34.14
20	13.12	34.45	150	5.25	34.13
30	11.20	34.36	200	4.20	34.09
50	10.80	34.36	250	3.12	34.03
75	9.50	34.28	300	2.28	34.08

6월 (June)

조사선 지리산호 (Ji Ri San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	08:00	110	4	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1002.5	17.6	16.3	Cc	2	B

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	C	‰	(X/L	μg.at/L	m	C	‰	(X/L	μg.at/L
0	10.50	34.21	7.41	0.50	50	3.32	34.02	5.85	1.25
10	9.32	34.21	7.41	0.64	75	2.30	34.01	5.40	--
20	6.23	34.14	5.85	1.23	105	2.25	33.98	5.31	1.54
30	4.52	34.06	5.61	1.41					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	09:20	220	3	13	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1002	18.0	16.4	Cc	2	B
Z m	T °C		S ‰	Z m	T °C	S ‰	
0	13.85		34.15	100	1.34	33.98	
10	13.52		34.01	125	1.08	34.00	
20	11.58		34.18	150	1.04	34.00	
30	5.65		34.18	200	0.88	33.96	
50	3.38		34.03	215	0.88	34.00	
75	2.22		34.00				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	11	11:00	600	3	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1002	19.9	18.5	Cc	3	BC

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	16.55	34.04	5.61	0.36	125	1.41	33.93	-	-
10	15.97	34.10	6.11	0.39	150	1.33	33.98	-	1.73
20	15.45	34.04	5.81	0.45	200	0.91	34.01	5.32	1.84
30	12.55	34.13	6.61	0.34	250	0.75	34.01	-	-
50	4.75	34.02	5.30	0.39	300	0.67	34.01	5.51	1.82
75	2.53	34.01	-	-	400	0.58	34.00	5.50	1.93
100	1.95	33.97	5.51	1.63	500	0.53	34.02	5.50	1.84

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	11	13:05	1050	3	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1001	19.5	18.6	Cu	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.50	34.08	125	3.15	34.30
10	14.70	34.52	150	2.66	34.20
20	14.37	34.53	200	2.61	33.99
30	13.58	34.15	250	1.69	33.99
50	13.56	34.25	300	1.23	34.02
75	12.23	34.33	400	0.90	34.02
100	6.99	34.22	500	0.68	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
08	14	18:00	720	2	20	1	1		
Wind		Baro.	Air Temp.		Cloud		Weather		
Direction	Force		Dry	Wet	Type	Amount			
SE	1	1009	21.1		Cl	7	BC		
Z m	T °C	S ‰	O2 cc/L	PO4-P μg.at/L	Z m	T °C	S ‰	O2 cc/L	PO4-P μg.at/L
0	19.07	34.25	5.51	0.32	125	11.37	34.44	-	-
10	17.65	34.25	5.32	0.36	150	9.35	34.34	5.71	0.73
20	17.54	34.21	5.41	0.30	200	5.08	34.21	-	1.16
30	16.98	-	5.51	0.30	250	1.88	34.09	-	-
50	14.38	34.50	6.01	0.30	300	1.13	33.96	5.55	1.20
75	13.63	34.54	-	-	400	0.90	34.04	5.48	1.48
100	12.54	34.54	5.61	0.59	500	0.74	34.06	5.42	1.50

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	20:30	2340			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1010	17.9				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.78	34.38	125	11.51	34.48
10	17.83	34.32	150	10.70	34.38
20	17.94	34.33	200	9.85	34.15
30	15.73	34.50	250	3.40	34.05
50	14.13	34.58	300	1.10	34.06
75	13.02	34.54	400	1.07	34.04
100	12.90	34.54	500	0.95	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	22:30	1800			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1010	17.9				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.35	-	125	11.45	34.11
10	17.93	34.22	150	10.28	34.05
20	17.73	34.19	200	7.12	33.81
30	15.43	34.43	250	3.25	33.67
50	13.45	34.24	300	1.84	33.64
75	12.32	34.22	400	1.24	33.64
100	11.74	34.23	500	0.94	33.66

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	15	00:20	2328			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1010	18.2				BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	18.30		33.86	125		9.80	33.90
10	17.98		33.86	150		8.21	33.81
20	17.95		33.87	200		6.85	33.81
30	17.10		33.95	250		5.19	33.85
50	14.72		34.02	300		2.59	33.66
75	11.19		33.99	400		1.31	33.66
100	10.10		-	500		0.92	33.62

7 월 (July)

조사선 태백산호 (Tae Baek S

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	05:20	110	4	14	SW 2	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1003.5	23.0		Ac	7	BC

Z m	T C	S ‰	O2 cc/L	PO4-P μg. at/L	Z m	T C	S ‰	O2 cc/L	PO4-P μg. at/L
0	21.74	34.15	5.02	0.07	50	4.96	34.27	5.21	1.04
10	18.32	34.16	6.00	0.09	100	3.28	34.29	5.20	0.84
20	9.62	34.21	5.61	0.20	105	1.90	34.29	5.42	1.16
30	6.73	34.22	5.81	0.84					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	8	04:10	180			SW 2	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1003	22.7				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.10	33.91	50	2.50	34.24
10	19.10	34.04	100	1.96	34.22
20	18.57	34.22	150	1.66	34.21
30	3.28	34.23	175	1.14	34.19

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	8	02:10	600			SW 2	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1003	20.5				

Z m	T °C	S ‰	O2 cc/L	PO4-P μg-at/L	Z m	T °C	S ‰	O2 cc/L	PO4-P μg-at/L
0	19.15	33.78	4.91	0.11	150	3.10	34.06	5.50	1.34
10	13.29	33.86	4.90	0.50	200	1.30	34.07	5.31	1.41
20	11.71	33.91	5.01	0.73	300	0.85	34.14	4.20	1.52
30	9.50	34.04	5.51	0.89	400	0.73	34.14	5.22	1.43
50	7.00	34.01	-	1.02	500	0.72	34.15	4.92	1.79
100	4.35	34.00	5.52	1.18					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	8	00:50	1050			SW 3	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1004	19.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.35	33.33	150	3.90	33.92
10	13.85	33.51	200	2.45	34.06
20	13.89	33.78	300	1.05	34.08
30	13.60	33.82	400	1.00	34.14
50	11.03	33.83	500	0.40	34.16
100	6.62	33.87			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
08	7	22:40	720			SW 3	SW 2		
Wind		Baro.	Air Temp.		Cloud		Weather		
Direction	Force		Dry	Wet	Type	Amount			
SW	2	1004.5	19.7						
Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg-at/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg-at/L
0	18.06	33.60	5.31	0.18	150	15.00	34.22	4.41	0.48
10	16.61	33.66	5.52	0.20	200	12.00	34.24	4.66	0.37
20	15.30	33.69	5.10	0.30	300	6.23	34.21	4.55	0.86
30	14.31	33.90	4.42	0.52	400	3.80	34.18	4.75	0.52
50	14.61	33.95	4.41	0.52	500	2.24	34.15	5.23	1.38
100	15.02	34.07	4.53	0.48					

8 월 (August)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
04	12	07:20	110	3	15	0	0		
Wind		Baro.	Air Temp.		Cloud		Weather		
Direction	Force		Dry	Wet	Type	Amount			
SW	3	1015	23.3		Cu	4	BC		
Z m	T °C	S ‰	O2 cc/L	PO4-P μg-at/L	Z m	T °C	S ‰	O2 cc/L	PO4-P μg-at/L
0	16.53	34.13	-	0.39	50	4.09	34.17	5.21	0.98
10	12.99	34.36	5.40	0.59	75	3.12	34.15	-	-
20	8.47	34.32	-	0.61	105	1.45	34.14	5.01	1.43
30	5.58	34.23	5.00	1.04					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	07:55	220	3	10	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1015	23.0		Cu	4	BC

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg·at/L	m	°C	‰	cc/L	μg·at/L
0	17.59	33.81	5.71	0.20	100	1.87	34.14	5.30	1.38
10	12.85	34.26	5.01	0.66	125	1.19	34.14	-	-
20	10.98	34.29	4.32	-	150	1.19	34.14	5.10	1.54
30	7.91	34.27	4.21	0.86	200	0.90	34.13	5.12	1.52
50	4.35	34.18	5.20	1.32	215	0.88	34.15	5.01	1.41
75	3.08	34.17	-	-					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	09:25	600	4	12	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1015	25.0		Ci	3	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	22.39	33.41	125	1.42	34.15		
10	7.90	34.24	150	1.13	34.15		
20	4.15	34.19	200	1.03	34.14		
30	2.43	34.15	250	0.73	34.15		
50	1.99	34.14	300	0.69	34.19		
75	1.72	34.14	400	0.54	34.17		
100	1.50	34.14	500	0.50	34.16		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	10:50	1050	4	11	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1015	27.2		01	3	BC

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	(X/L	μg.at/L	m	°C	‰	(X/L	μg.at/L
0	22.10	33.60	-	0.18	125	1.84	34.20	-	-
10	19.00	33.84	-	0.32	150	1.80	34.16	4.61	1.25
20	13.90	34.34	4.12	1.16	200	1.78	34.15	5.15	1.18
30	8.51	34.31	-	1.04	250	1.12	34.14	-	-
50	4.85	34.22	5.00	1.11	300	0.94	34.15	4.51	1.38
75	3.60	34.16	-	-	400	0.60	34.17	-	1.50
100	2.98	34.12	5.80	1.16	500	0.48	34.14	6.82	1.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	12	13:20	720	4	9	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1015	27.4		01	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.43	33.30	125	10.29	34.43
10	17.68	33.43	150	5.60	34.30
20	15.52	33.54	200	2.14	34.17
30	15.40	34.13	250	1.40	34.14
50	15.39	34.42	300	1.06	34.14
75	13.90	34.51	400	0.78	34.16
100	11.34	34.42	500	0.57	34.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	12	15:20	2340	4	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1015	27.6		Cl	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	23.07		33.07	125	12.45		34.52
10	21.40		33.39	150	9.08		34.38
20	19.95		33.32	200	4.28		34.20
30	19.24		-	250	2.06		34.14
50	15.07		33.83	300	1.16		34.17
75	14.47		34.20	400	0.73		34.18
100	14.41		34.54	500	0.69		34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	17:20	1800	2	17	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1013	28.2		Cu	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.57		33.12	125	13.33		34.58
10	26.29		33.37	150	10.50		34.45
20	22.63		33.53	200	4.99		34.23
30	18.78		34.05	250	2.59		34.14
50	15.98		34.45	300	1.43		34.15
75	14.95		34.53	400	0.89		34.17
100	14.05		34.60	500	0.60		34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	12	19:15	2325			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014	27.0				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	26.39	33.30	125	6.38	34.26
10	20.65	33.72	150	4.60	34.19
20	16.76	34.38	200	3.12	34.14
30	14.40	34.52	250	2.15	34.14
50	11.46	34.45	300	1.30	34.14
75	8.27	34.33	400	0.80	34.17
100	8.10	34.22	500	0.64	34.16

10 월 (October)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	10:45	110	3	8	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1020	15.7		Ac	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.40	33.55	50	10.95	34.20
10	20.30	33.42	75	8.30	34.25
20	20.18	33.41	100	5.92	34.18
30	18.42	33.49			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	10:05	220	3	10	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1020	16.2		Ac	10	C
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	20.10		33.57	100	10.19	34.10	
10	20.80		33.62	125	9.75	34.08	
20	20.85		33.56	150	8.30	34.09	
30	17.98		33.43	200	7.20	34.09	
50	13.04		34.12	215	5.75	34.07	
75	12.30		34.11				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	08:40	600	3	12	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1020	16.8		Ac	10	C
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	20.45		33.63	125	13.10	34.13	
10	21.05		33.60	150	12.25	34.13	
20	20.80		33.63	200	10.00	34.07	
30	18.35		33.39	250	7.32	34.10	
50	16.18		33.44	300	2.30	34.09	
75	15.94		33.87	400	1.15	34.08	
100	14.65		34.02	500	0.88	34.08	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	16	07:20	1050	3	12	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	6	1019	16.6		Ac	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.36	33.80	125	14.20	34.28
10	21.60	33.78	150	10.20	34.17
20	21.65	33.76	200	4.50	34.15
30	21.83	33.77	250	2.60	34.06
50	21.58	33.75	300	1.12	34.06
75	14.95	33.91	400	0.80	34.09
100	14.50	34.20	500	0.64	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	16	05:30	720			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	7	1018	16.5				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.73	33.94	125	16.75	34.36
10	22.25	33.95	150	14.98	34.34
20	22.28	33.92	200	11.74	34.43
30	22.39	33.94	250	4.99	34.20
50	22.50	33.89	300	1.73	34.10
75	17.42	34.03	400	1.10	34.09
100	17.10	34.43	500	0.95	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	16	03:20	2340			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	6	1017	17.0				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.11		33.91	125	16.41		34.27
10	20.10		33.90	150	14.70		34.45
20	21.40		33.88	200	12.17		-
30	21.45		33.90	250	8.55		34.25
50	21.46		33.90	300	3.92		34.06
75	18.27		34.34	400	2.50		34.03
100	17.05		34.33	500	1.03		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	16	01:00	1800			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	6	1016	16.8				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.33		33.59	125	13.20		34.22
10	21.76		33.61	150	12.60		34.28
20	21.80		33.61	200	10.08		34.36
30	21.71		33.62	250	7.75		34.40
50	21.60		33.63	300	3.72		34.31
75	20.04		33.62	400	1.91		34.17
100	17.64		33.61	500	0.82		34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	15	23:10	2325			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	6	1015	16.5				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.20	33.67	125	13.00	34.45
10	21.93	33.72	150	12.05	34.47
20	21.98	33.69	200	10.15	34.36
30	21.85	33.73	250	7.12	34.33
50	19.40	33.82	300	3.32	34.26
75	17.41	34.03	400	1.12	34.24
100	16.05	34.22	500	0.81	34.20

12 월 (December)

조사선 지리산호 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	20:00	110	2	16	4	i
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1022.0	13.6		Cl	4	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.54	34.19	50	14.92	34.15
10	16.09	34.21	75	10.43	34.30
20	16.10	34.18	105	6.60	34.21
30	15.34	34.17			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	12:00	220	2	17	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1024.0	15.4		01	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.06		34.19	100		10.78	34.28
10	16.17		34.19	125		8.60	34.23
20	15.23		34.18	150		4.50	34.13
30	14.88		34.16	200		2.62	34.07
50	14.80		34.15	215		1.90	34.06
75	14.68		34.13				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	7	18:00	600	3	15	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1024.0	12.0		01	4	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	15.30		34.21	125		15.14	34.43
10	16.10		34.30	150		10.50	34.13
20	16.35		-	200		4.80	34.12
30	16.52		34.09	250		1.80	34.01
50	16.45		34.07	300		1.18	34.01
75	16.44		34.04	400		0.84	34.06
100	16.32		34.13	500		0.86	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	7	16:40	1050	3	20	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1024.0	12.6		Cl	4	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	15.80	-	125	11.14	34.40		
10	15.75	34.26	150	7.79	34.24		
20	15.81	34.16	200	4.54	34.11		
30	15.72	34.14	250	1.91	34.03		
50	16.00	34.07	300	1.00	34.06		
75	15.05	34.07	400	0.85	34.04		
100	14.98	-	500	0.79	34.06		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	7	14:50	720	3	20	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1024.0	11.7		Cl	4	BC
Z m	T °C		S ‰	Z m	T °C	S ‰	
0	16.08		34.19	125	11.08	34.34	
10	16.35		34.15	150	7.68	34.26	
20	16.38		34.20	200	6.19	34.17	
30	16.10		34.17	250	2.29	34.11	
50	16.18		34.15	300	1.20	34.10	
75	16.15		34.10	400	0.87	34.09	
100	14.82		34.26	500	0.73	34.08	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	7	13:00	2340	3	20	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1024.0	11.5		Cl	4	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.58	34.11	125	11.43	34.31		
10	16.04	34.14	150	9.19	34.20		
20	15.67	34.09	200	7.45	34.14		
30	15.04	34.04	250	3.24	34.05		
50	14.97	34.04	300	1.15	34.10		
75	13.53	34.11	400	0.78	34.06		
100	12.35	34.40	500	0.74	34.06		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	7	11:10	1800	3	20	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1024.0	11.1		Cl	4	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.48	34.12	125	11.20	34.29		
10	16.21	34.11	150	9.99	34.34		
20	16.00	34.07	200	7.40	34.25		
30	15.89	34.05	250	3.17	34.08		
50	15.90	34.04	300	1.50	34.04		
75	14.50	34.37	400	0.92	34.06		
100	13.40	34.34	500	0.80	34.05		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	7	09:20	2325				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1024.0	11.2				B
Z m	T °C	S ‰			Z m	T °C	S ‰
0	16.04	34.05			125	16.16	34.05
10	16.30	34.04			150	14.78	34.38
20	16.25	34.04			200	11.25	34.39
30	16.22	34.04			250	8.74	34.22
50	16.32	34.06			300	6.40	34.19
75	16.26	34.07			400	2.80	34.13
100	16.25	34.04			500	0.82	34.10

103 선 해양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 103

2 월 (February)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	24	10:15	110	4	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3		1024	12.1			

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.80	34.13	50	11.70	34.16
10	11.80	34.13	75	11.69	34.21
20	11.79	34.09	105	11.70	34.22
30	11.73	34.12			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	24	10:55	205	4	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2		1023	13.9			

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.09	34.09	75	11.40	33.92
10	11.99	34.06	100	9.63	34.05
20	12.08	34.06	125	3.82	34.11
30	12.02	34.04	150	3.30	34.09
50	11.80	33.96	200	1.92	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	24	12:00	235	4	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020	9.8				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.70	34.06	100	10.95	34.00
10	11.80	34.05	125	10.75	34.15
20	11.75	33.98	150	10.49	34.03
30	11.80	33.96	200	5.50	33.87
50	11.65	34.02	230	3.95	33.62
75	11.35	34.02			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	24	13:30	850	5	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1020	10.8				B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.92	33.97	125	9.55	34.08		
10	11.82	34.04	150	7.85	33.84		
20	11.79	34.03	200	5.30	33.66		
30	11.80	34.03	250	2.08	33.58		
50	11.70	34.05	300	1.21	33.57		
75	11.55	34.06	400	0.65	33.63		
100	10.00	33.95	500	0.51	33.67		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	24	15.30	198	3	20	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1029	10.0				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.53		34.15	75	12.40		33.93
10	12.50		34.11	100	12.12		33.90
20	12.45		34.07	125	7.25		33.64
30	12.48		34.01	150	4.25		33.55
50	12.48		33.99	193	2.15		33.56

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	24	17.20	2105	3	18	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1021	10.3				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.70		34.04	125	11.45		34.01
10	12.75		34.03	150	11.30		34.05
20	12.75		34.02	200	11.10		34.02
30	12.38		34.01	250	10.60		34.04
50	11.99		34.03	300	6.21		34.01
75	11.56		34.02	400	3.70		33.91
100	11.45		34.02	500	1.99		34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	24	19:15	1800			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1021	7.8				Bc
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	9.21	33.99		125	9.62	33.87	
10	9.69	33.94		150	9.58	33.86	
20	9.69	34.14		200	9.59	33.94	
30	9.69	33.92		250	9.50	34.05	
50	9.70	33.91		300	6.19	34.05	
75	9.65	33.91		400	3.28	34.05	
100	9.63	33.90		500	1.49	34.07	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	24	21:10	2100			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1021	7.8				Bc
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	9.85	34.03		125	9.80	34.05	
10	10.40	34.00		150	9.80	34.07	
20	10.20	34.04		200	8.70	34.07	
30	10.20	33.96		250	8.20	34.05	
40	10.10	34.00		300	5.47	34.01	
75	10.01	34.02		400	2.99	33.94	
100	9.95	34.04		500	1.40	34.07	

3 월(March)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	24	03:15	110			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	7	1019.0	6.4	4.8			C
Z m	T ℃	S ‰		Z m	T ℃	S ‰	
0	10.35	34.43		50	5.09	34.09	
10	10.49	34.48		75	4.19	34.06	
20	8.58	34.34		100	2.51	33.67	
30	6.98	34.24					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	24	02:20	205			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	7	1018.0	7.0	5.4			C
Z m	T ℃	S ‰		Z m	T ℃	S ‰	
0	11.16	34.49		75	6.35	34.18	
10	11.40	34.50		100	2.26	34.04	
20	11.69	34.46		125	3.05	33.99	
30	11.65	34.52		150	2.11	33.96	
50	10.85	34.48		200	1.85	34.03	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	24	01:05	235			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1018.0	7.8	6.4			C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	11.00	34.51	100	10.29	34.29		
10	11.25	34.42	125	9.95	34.27		
20	11.29	34.42	150	7.02	34.12		
30	11.25	34.46	200	2.98	34.05		
50	11.20	34.44	230	1.61	34.00		
75	11.25	34.50					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	23	23:35	850			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1018.0	8.6	7.0			C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.45	34.38	100	10.37	34.32
10	11.12	34.34	125	10.09	34.29
20	11.15	34.38	150	9.21	34.22
30	11.22	34.40	200	6.60	34.22
50	11.25	34.40	250	2.48	34.14
75	10.89	34.34	300	1.55	34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	23	21:50	198			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1016.0	9.7	7.9		9	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	9.65	34.41	75	11.25	34.45
10	11.00	34.41	100	11.20	34.46
20	11.22	34.41	125	10.78	34.38
30	11.20	34.45	150	9.94	34.26
50	11.21	34.44	193	8.90	34.19

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	23	19:50	2150			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1018.0	9.6	7.4	Ac	9	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.14	34.42	100	10.51	34.27
10	11.25	34.38	125	10.05	34.26
20	11.29	34.32	150	9.88	34.16
30	11.20	34.24	200	8.40	34.12
50	11.11	34.24	250	5.05	34.07
75	10.85	34.26	300	2.24	34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	23	18:05	1800	3	15	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1018.1	9.8	8.2	Ac	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.99	34.43	100	11.14	34.40
10	11.13	34.38	125	11.03	34.40
20	11.12	34.38	150	11.03	34.30
30	11.12	34.39	200	10.63	34.27
50	11.13	34.40	250	10.21	34.27
75	11.09	34.40	300	9.31	34.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	23	16:05	2100	2	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1017.0	9.4	7.0	Ac	5	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.61	34.44	100	11.25	34.38
10	11.58	34.42	125	11.28	34.40
20	11.50	34.48	150	11.12	34.30
30	11.51	34.48	200	10.22	34.18
50	11.32	34.47	250	7.26	34.01
75	11.35	34.43	300	5.22	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	23	14:15	900	3	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1017.0	10.4	7.8	As	5	Bc

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.35	34.34	100	10.21	34.29
10	11.21	34.29	125	9.90	34.18
20	10.82	34.31	150	9.69	34.15
30	10.85	34.28	200	6.85	34.08
50	10.52	34.31	250	3.25	33.98
75	10.40	34.31	300	1.98	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	23	12:15	1740	3	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1017.0	13.6	9.8	As	4	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.41	34.45	100	10.05	34.31
10	11.40	34.45	125	9.80	34.25
20	11.35	34.49	150	8.92	34.25
30	11.25	34.51	200	6.49	34.22
50	10.80	34.38	250	3.70	34.18
75	10.65	34.34	300	2.82	33.96

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	23	10:25	1260	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1016.5	10.2	8.4	As	7	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.05	34.35	100	7.56	33.80
10	10.43	34.30	125	4.00	34.04
20	10.32	34.23	150	2.10	34.04
30	9.84	34.19	200	1.50	34.00
50	9.64	34.16	250	1.21	33.89
75	9.34	34.13	300	1.15	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	23	08:25	1440	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1016.0	11.1	10.9	As	7	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	11.00	34.33	100	3.95	34.04		
10	11.00	34.33	125	2.83	33.92		
20	11.09	34.26	150	1.90	34.00		
30	10.40	34.27	200	1.43	34.11		
50	9.89	34.27	250	1.10	34.12		
75	9.60	34.21	300	0.45	34.05		

4월 (April)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	07:50	110	4	8	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1014	9.8	9.0	Ns	5	Bc
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	12.15		34.51	50		8.25	34.33
10	12.15		34.49	75		5.94	34.16
20	11.70		34.43	105		4.16	34.03
30	10.65		34.38				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	07:05	205	5	14	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1013	10.1	8.9	Ns	5	Bc
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	11.95		34.42	75		4.45	34.15
10	12.23		34.40	100		3.55	34.00
20	11.55		34.36	125		2.75	34.02
30	7.65		34.29	150		2.00	34.04
50	4.80		34.15	200		1.42	34.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	05:50	235			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1012	10.2	9.2			C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.75		34.51	100	10.48		34.42
10	13.23		34.51	125	9.20		34.25
20	13.35		34.51	150	6.85		34.20
30	13.19		34.46	200	5.69		34.15
50	12.08		34.45	230	4.23		34.33
75	11.35		34.51				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	04:35	850			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1010	10.6	9.4			C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.83		34.51	125	11.70		33.98
10	14.00		34.51	150	8.60		33.98
20	14.00		34.51	200	2.79		33.98
30	14.09		34.51	250	1.21		34.00
50	13.80		34.47	300	0.92		34.02
75	13.00		34.40	400	0.72		34.24
100	12.62		34.33	500	0.65		34.45

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	02:50	198			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1010	9.6	9.2			C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.93	34.49	75	12.12	34.42
10	13.19	34.49	100	12.12	34.42
20	13.05	34.47	125	10.98	34.42
30	12.51	34.45	150	9.98	34.33
50	12.36	34.42	200	9.32	34.37

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	01:00	2150			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1010	10.3	10.2			R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	11.40	34.34	125	11.23	34.34		
10	11.90	34.43	150	11.19	34.34		
20	12.08	34.39	200	10.92	34.34		
30	11.45	34.30	250	4.21	34.16		
50	11.31	34.33	300	1.70	33.86		
75	11.29	34.34	400	1.13	33.89		
100	11.07	34.34	500	0.93	33.90		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	23:15	1800			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1010	10.1				R
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.98		34.39	125		10.90	34.27
10	11.90		34.43	150		10.45	34.20
20	11.40		34.39	200		8.70	34.20
30	11.31		34.33	250		2.60	34.07
50	11.30		34.33	300		1.44	33.91
75	11.22		34.34	400		1.15	33.93
100	11.13		34.33	500		0.95	33.93

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	12	21:25	2100			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1011	10.9				R
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.34		34.39	125		7.87	34.07
10	11.43		34.39	150		2.76	33.91
20	11.36		34.39	200		1.50	33.91
30	11.30		34.34	250		1.07	33.91
50	11.02		34.31	300		0.90	33.96
75	10.63		34.25	400		0.78	34.00
100	9.70		34.16	500		0.69	34.10

5월 (May)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	1230	110	4	9		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	20.4	17.2	Cl	2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.92	34.22	50	3.25	34.05
10	9.24	34.22	75	2.39	34.05
20	7.90	34.13	100	1.53	34.00
30	4.63	34.07			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	13:10	205	3	10		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	18.4	17.2			B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.71	34.35	75	2.51	34.04
10	11.48	34.29	100	1.42	34.01
20	9.60	34.24	125	1.13	34.01
30	6.40	34.14	150	0.82	33.99
50	4.51	33.96	200	0.59	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	14:40	235	3	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1020.0	20.4	19.4	Ci	2	B
Z m	T °C	S ‰			Z m	T °C	S ‰
0	15.19	34.27			75	8.82	34.25
10	14.43	34.33			100	6.63	34.22
20	13.65	34.40			125	3.92	34.11
30	12.26	34.36			150	2.58	34.07
50	11.51	34.29			200	1.61	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	16:00	850	3	11		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1021.0	24.2	22.4	Ci	3	Bc
Z m	T °C	S ‰			Z m	T °C	S ‰
0	15.90	34.51			100	11.12	34.44
10	14.90	34.56			125	9.55	34.28
20	14.60	34.59			150	8.37	34.23
30	13.03	34.55			200	6.70	34.15
50	11.76	34.52			250	3.79	34.07
75	11.19	34.44			300	2.24	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	18:00	198	2	13		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	19.9				B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.80	34.48	75	12.04	34.40		
10	15.48	34.52	100	11.29	34.34		
20	15.27	34.56	125	10.69	34.27		
30	14.27	34.54	150	9.41	34.14		
50	12.60	34.47	193	6.80	34.51		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	19:30	2150				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1020.0	16.2				B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.32	34.48	100	9.60	34.20		
10	14.70	34.47	125	7.40	34.17		
20	13.95	34.44	150	6.38	34.03		
30	13.33	34.45	200	2.61	34.03		
50	10.99	34.36	250	1.46	34.01		
75	9.94	34.33	300	1.02	34.03		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	13	21:50	1800				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	15.6				B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	15.77		34.55		100	12.70	34.55
10	15.43		34.60		125	11.55	34.47
20	14.90		34.56		150	10.44	-
30	14.28		34.60		200	5.49	34.08
50	13.10		34.55		250	2.50	34.00
75	12.71		34.57		300	1.31	33.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	13	23:40	2100				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	15.6				B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	15.51		34.52		100	12.07	34.49
10	15.00		34.52		125	11.40	34.45
20	14.59		34.52		150	10.99	34.39
30	14.31		34.51		200	8.69	34.27
50	13.79		34.55		250	4.13	34.05
75	12.51		34.55		300	2.27	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	14	01:40	900				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1021.0	16.0				B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	15.03		34.48		100	12.10	34.53
10	14.68		34.55		125	11.70	34.50
20	14.43		34.56		150	11.00	34.40
30	13.43		34.56		200	10.58	34.36
50	13.00		34.55		250	9.49	34.21
75	12.62		34.52		300	8.27	34.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	14	03:30	1740			2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1021.0	15.8				B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	15.02		34.55		100	11.99	34.50
10	15.00		34.61		125	11.79	34.51
20	14.59		34.58		150	11.76	34.49
30	13.00		34.59		200	10.50	34.40
50	12.93		34.52		250	8.00	34.28
75	12.12		34.55		300	7.52	34.19

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	14	05:30	1260	3	10		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1021.0	15.8				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	15.35	34.45	100	11.49	34.47
10	15.10	34.22	125	10.90	34.40
20	14.72	34.59	150	10.20	34.36
30	12.98	34.57	200	9.30	34.26
50	12.35	34.54	250	8.00	34.22
75	11.51	34.49	300	5.30	34.11

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	14	07:20	1440	2	14	2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1021.0	16.6		Ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.90		34.48	100	9.13		34.25
10	14.40		34.41	125	8.50		34.17
20	14.09		34.41	150	9.03		34.09
30	11.00		34.34	200	3.24		34.07
50	10.29		34.36	250	1.53		34.00
75	9.80		34.34	300	1.21		34.01

6월 (June)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
04	15	1640	110	4	10	3	1		
Wind		Baro.	Temp.		Cloud		Weather		
Direction	Force		Wet		Type	Amount			
S	2	1008	17.2		Ns	10	C		
Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	15.41	34.06	5.61	0.18	50	3.23	33.96	6.13	1.04
10	14.12	34.02	5.92	0.07	75	2.42	33.88	5.13	1.34
20	13.23	33.99	6.30	0.14	105	1.68	33.85	-	-
30	7.35	33.99	6.15	0.55					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	15:40	205	4	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1008	17.9		Ns	10	C

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	15.00	33.92	5.90	0.07	75	2.22	33.84	-	-
10	12.92	34.06	5.71	0.16	100	1.47	33.87	5.70	1.41
20	7.38	34.14	5.30	0.73	125	1.10	33.88	-	-
30	5.48	34.04	5.31	0.98	150	0.98	33.88	4.81	1.73
50	3.40	33.93	5.31	1.20	200	0.62	33.92	4.91	1.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	14:10	235	4	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1008.5	19.0		Ns	10	R

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.42	33.61	100	4.60	33.93
10	16.55	33.64	125	2.90	33.88
20	15.10	33.77	150	2.27	33.84
30	12.22	34.04	200	1.19	33.84
50	7.57	-	230	0.80	33.84
75	7.18	33.97			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	12:30	850	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1008.7	19.9		Ns	10	R

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	18.40	33.70	5.25	0.11	125	9.73	34.17	-	-
10	18.21	33.70	5.41	0.11	150	6.42	34.11	5.05	1.11
20	15.95	33.59	5.91	0.16	200	3.59	34.00	5.18	1.48
30	14.35	33.79	5.55	0.41	250	1.93	33.92	-	-
50	13.91	34.02	-	0.27	300	1.09	33.86	5.21	1.27
75	13.62	34.11	-	-	400	0.78	33.86	5.42	1.41
100	11.29	34.23	5.25	0.95	500	0.67	33.86	5.11	1.41

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	10:30	198	3	18	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1009	21.0		Ns	9	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	18.48	33.99	75	13.81	34.31
10	18.42	34.01	100	12.43	34.25
20	17.31	34.24	125	11.30	34.22
30	16.45	34.35	150	10.61	34.13
50	14.90	34.31	193	1.88	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	06:00	2150	3	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1009.8	20.0		Ns	10	C

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	18.70	34.23	5.25	0.09	125	12.41	34.32	-	-
10	18.57	34.27	5.22	0.09	150	11.02	34.15	5.61	0.36
20	18.40	34.27	5.12	0.14	200	6.80	33.89	5.11	0.50
30	15.50	34.39	5.05	0.14	250	2.95	33.78	-	-
50	15.15	34.40	-	0.50	300	1.58	33.76	5.01	1.36
75	14.69	34.45	-	-	400	1.25	33.82	-	0.50
100	12.91	34.42	5.49	0.32	500	0.83	33.86	5.01	1.50

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	15	06:05	1800	2	22	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1010	18.8		Cu	9	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	18.35	34.33	125	11.27	34.25
10	18.26	34.45	150	10.60	34.17
20	18.03	34.46	200	9.66	33.99
30	16.09	34.50	250	3.06	34.00
50	14.64	34.46	300	1.84	33.89
75	13.60	34.44	400	1.18	33.89
100	12.43	34.39	500	0.90	33.85

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	15	04:15	2100			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1010	18.4				C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	18.46	33.24	125	11.80	34.32
10	18.35	33.95	150	10.90	34.28
20	12.12	33.86	200	9.84	34.25
30	16.50	34.41	250	8.00	34.13
50	14.10	34.46	300	4.35	33.97
75	12.68	34.46	400	1.97	33.92
100	12.18	34.47	500	1.20	33.93

7월 (July)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell		
04	8	12:20	110	4	13	SE 3	SE 2		
Wind		Baro.	Air Temp.		Cloud		Weather		
Dir. Force			Wet		Type	Amount			
SE		4	1003	21.6		Ac	6	Bc	
Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg-at/—	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg-at/—
0	18.95	33.79	5.32	0.16	30	6.75	34.04	5.02	0.93
10	12.61	33.78	6.71	0.18	50	5.36	34.07	—	1.02
20	8.98	33.86	7.03	0.20	100	2.52	34.17	6.75	1.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	8	13:30	205	4	18	SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1003	22.0		Ac	5	Bc

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	19.71	33.47	5.40	0.07	50	3.25	34.22	-	1.43
10	16.70	33.52	6.01	0.09	100	2.02	34.22	6.31	1.52
20	8.65	33.84	7.84	0.11	150	1.03	34.25	5.01	1.66
30	5.82	34.07	-	1.14	200	1.08	34.26	6.11	1.79

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	8	14:50	235	4	14	SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1002	22.2		Ac	6	Bc

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.83	33.37	100	2.20	34.22
10	11.65	33.44	150	1.12	34.27
20	6.13	33.99	200	0.80	34.22
30	3.43	34.04	230	0.90	34.21
50	3.60	34.22			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	8	16:10	850	6	7	SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1002	19.5		Ac	5	Bc

Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg·at/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -I μg·at/L
0	16.06	32.70	6.01	0.20	150	5.05	34.31	4.21	0.68
10	14.30	32.74	4.90	0.41	200	4.30	34.71	5.02	0.98
20	13.25	33.08	4.45	0.50	300	3.36	34.22	5.11	1.20
30	13.70	34.09	4.42	0.64	400	1.80	34.21	5.21	1.23
50	9.76	34.21	4.11	0.95	500	1.47	34.21	5.21	1.29
100	5.15	34.23	5.10	1.09					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	8	18:20	98			SE 4	SE 2
Wind		Temp.		Cloud		Weather	
Direction	Force		Wet	Type	Amount		
SE	5	1002	22.0	Ac	5	Bc	
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	19.65	33.41	50	14.38	34.04		
10	17.72	34.22	100	14.30	34.27		
20	16.10	33.95	150	10.60	34.46		
30	14.69	33.82	193	8.00	34.45		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	8	20:20	2150			SE 4	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1002	22.5				
Z m	T °C	S ‰	O ₂ cc/L	Z m	T °C	S ‰	O ₂ cc/L
0	12.57	33.43	5.01	150	12.35	34.30	5.52
10	14.45	33.45	4.79	200	11.90	34.32	5.50
20	14.00	33.47	-	300	6.32	34.22	5.47
30	13.40	33.98	5.22	400	2.01	34.21	5.31
50	12.81	34.02	5.21	500	0.88	34.21	5.12
100	12.10	34.25	5.03				

8월 (August)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	10:40	110	4	9	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1012	26.8		Ns	8	F

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	20.08	34.11	-	0.14	50	3.61	34.22	4.53	1.20
10	10.39	34.31	6.50	0.93	75	2.50	34.28	-	-
20	7.72	34.30	4.75	1.16	105	1.84	34.17	5.00	1.32
30	4.69	34.25	4.51	1.20					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	09:50	205	4	9	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1012	27.0		Cc	8	C

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg·at/L	m	°C	‰	cc/L	μg·at/L
0	21.70	32.81	5.20	0.36	75	4.42	34.18	-	-
10	16.89	33.77	-	0.70	100	2.52	34.18	5.20	1.29
20	14.89	34.22	-	0.70	125	2.11	34.19	-	-
30	13.19	34.32	4.12	0.91	150	1.59	34.18	5.00	1.36
50	6.48	34.25	4.31	1.04	200	1.23	34.11	4.50	0.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	08:30	235	4	10	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1012	27.5		Cu	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	25.27	32.56	100	13.84	34.45
10	25.40	32.40	125	6.90	34.34
20	21.43	32.87	150	2.80	34.18
30	19.52	33.39	200	1.92	34.17
50	17.49	34.16	230	0.72	34.16
75	15.50	34.25			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	06:55	850	3		0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1012.5	27.1		Ci	4	B

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	26.20	32.64	4.30	0.14	125	7.50	34.27	-	-
10	25.60	32.55	4.52	0.16	150	5.44	34.16	4.02	1.38
20	24.89	-	4.32	0.39	200	4.72	34.17	4.32	1.45
30	16.55	34.03	4.42	0.48	250	2.03	34.19	-	-
50	15.09	34.41	4.31	0.57	300	1.05	34.15	5.11	1.50
75	13.95	34.49	-	-	400	0.82	34.15	4.70	1.52
100	11.50	-	4.55	1.16	500	0.64	34.18	4.75	0.18

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	05:10	198			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1013	27.0				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.36	33.64	75	16.70	34.18
10	27.47	33.56	100	15.18	34.29
20	27.40	33.55	125	14.74	34.45
30	27.32	33.56	150	13.33	34.49
50	20.79	33.90	193	7.40	-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	03:00	2150			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1013	26.9				B

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg·at/L	m	°C	‰	cc/L	μg·at/L
0	27.00	33.42	4.41	0.20	125	15.73	34.40	-	-
10	26.83	33.29	4.35	0.05	150	14.68	34.49	-	0.52
20	26.30	33.46	4.31	0.05	200	8.70	34.33	5.20	1.43
30	22.60	33.97	5.02	-	250	3.94	34.18	-	-
50	19.06	34.01	4.02	0.16	300	1.73	34.28	5.12	1.48
75	16.60	34.25	-	-	400	0.94	34.18	4.85	1.63
100	15.79	34.29	-	0.64	500	0.70	34.18	5.05	0.25

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	13	01:00	1800			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1013	26.5				B
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	25.44	33.32		125	15.66	34.36	
10	24.47	33.47		150	14.78	34.38	
20	23.00	33.80		200	7.40	34.26	
30	21.16	33.87		250	3.54	34.15	
50	18.32	34.22		300	1.70	34.14	
75	15.82	34.23		400	0.96	34.19	
100	15.75	34.29		500	0.77	34.17	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	12	23:00	2100			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1014	26.8				Bc
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	26.87	33.30		125	13.10	34.44	
10	26.67	33.48		150	12.80	34.44	
20	19.29	34.04		200	8.53	34.38	
30	17.18	34.26		250	2.28	-	
50	16.08	34.37		300	1.18	34.17	
75	15.63	34.40		400	0.77	34.15	
100	13.71	34.42		500	0.59	34.15	

10월 (October)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	10:00	110	4	9	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1020	18.5		Ci	3	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	19.40		33.64	50	11.33		34.25
10	19.96		33.52	75	6.52		34.22
20	19.25		33.41	105	3.90		34.16
30	16.90		33.61				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	10:40	205	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1022	19.7		Ci	3	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	13.65		33.47	75	9.38		34.29
10	19.10		33.39	100	6.86		34.20
20	15.55		33.73	125	3.50		34.10
30	13.55		34.37	150	2.10		34.07
50	11.52		34.29	200	1.90		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	11:55	235	2	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	1021	21.5				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.10		34.03	100		14.99	34.53
10	21.70		34.01	125		13.45	34.53
20	21.82		33.98	150		7.35	34.25
30	21.78		33.98	200		4.01	34.17
50	21.60		34.01	230		1.92	34.10
75	15.79		34.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	13:10	850	2	17	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	1020	24.4				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.36		33.81	125		12.80	34.47
10	21.39		33.77	150		7.70	34.29
20	21.10		33.67	200		1.76	34.12
30	21.08		33.72	250		1.05	34.10
50	19.59		34.28	300		0.92	34.09
75	15.80		34.33	400		0.60	34.10
100	14.40		34.45	500		0.53	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	15:00	198	2	19	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	1020	23.4				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	21.41	33.80	75	18.21	34.34
10	21.59	33.79	100	15.68	34.45
20	21.58	33.78	125	11.76	34.44
30	22.40	33.79	150	6.10	34.29
50	21.94	33.97	193	2.59	34.13

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	18	16:45	2150	2	19	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	2120	21.5				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.43	33.96	125	15.45	34.34
10	22.05	34.08	150	13.20	34.43
20	21.92	34.11	200	8.98	34.29
30	21.00	34.11	250	3.68	34.17
50	20.90	34.13	300	2.99	34.16
75	17.20	34.38	400	1.45	34.09
100	15.89	34.34	500	0.92	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	18:35	1800			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1020	18.0				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.60		34.19	125		11.06	34.34
10	22.14		34.20	150		7.88	34.26
20	22.20		34.18	200		6.15	34.27
30	20.22		34.19	250		3.54	34.10
50	19.97		34.18	300		2.80	34.07
75	16.94		34.18	400		1.85	34.06
100	13.18		34.30	500		0.97	34.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	18	20:25	2100			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1020	17.5				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.41		33.55	125		14.65	34.37
10	20.67		33.45	150		11.94	34.45
20	20.60		33.44	200		10.05	34.35
30	20.55		33.45	250		7.30	34.25
50	20.40		33.52	300		2.13	34.13
75	17.35		34.14	400		1.28	34.07
100	15.90		34.26	500		0.99	34.09

12월 (December)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	08:00	110	2	9	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1024.0	14.8		Cu	6	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.90	34.28	50	10.58	34.26
10	14.82	34.27	75	7.98	34.29
20	14.85	34.17	105	4.50	34.13
30	13.68	34.16			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	8	08:40	205	2	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1024.0	16.4		Cu	7	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.20	34.28	75	9.88	34.29
10	14.25	34.26	100	6.14	34.15
20	14.55	34.06	125	4.15	34.08
30	14.58	34.21	150	2.88	34.07
50	14.39	34.37	200	1.87	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	8	09:50	235	2	12	3	1
Wind		Baro.	Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1023.0	17.5		Cu	7	Bc
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.89		34.26	100		4.53	34.08
10	15.06		34.27	125		3.48	34.06
20	15.07		34.27	150		2.26	34.04
30	14.50		34.25	200		2.00	34.06
50	10.92		34.32	230		1.15	34.06
75	6.50		34.18				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	8	11:10	850	2	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1024.0	19.8		Cu	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	15.80		34.17	125		8.63	34.26
10	15.88		34.18	150		4.30	34.17
20	15.75		34.19	200		3.00	34.10
30	15.72		34.17	250		2.58	34.10
50	14.82		34.20	300		1.94	34.07
75	14.27		34.18	400		1.50	34.10
100	12.21		34.30	500		0.98	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	8	13:00	198	2	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1024.0	21.5		Cu	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.98		34.24	75	15.51		34.26
10	17.15		34.26	100	14.21		34.23
20	17.10		34.29	125	11.31		34.18
30	16.88		34.24	150	8.21		34.47
50	16.00		34.24	193	7.01		34.45

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	8	14:40	2150	2	17	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1024.0	21.7		Cu	5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.98		34.30	125	16.00		34.22
10	16.96		34.27	150	15.70		34.48
20	17.10		34.27	200	12.60		34.42
30	16.94		34.30	250	4.60		34.15
50	16.82		34.26	300	2.52		34.07
75	16.54		34.26	400	1.91		34.05
100	16.19		34.24	500	0.97		34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	8	16:30	1800	2	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1022.0	16.5		Cu	4	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.83	34.26	125	14.04	34.27
10	16.94	34.27	150	13.48	34.37
20	16.95	34.20	200	9.00	34.27
30	16.96	34.27	250	4.64	34.13
50	16.00	34.27	300	1.70	34.02
75	15.60	34.27	400	1.03	34.03
100	15.05	34.29	500	0.80	34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	8	18:20	2100				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1023.5	14.5				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.50	34.20	125	15.58	34.19
10	16.80	34.22	150	13.08	34.33
20	16.75	34.21	200	8.20	34.22
30	16.71	34.21	250	4.30	34.08
50	16.60	34.21	300	1.82	34.02
75	16.56	34.21	400	1.10	34.05
100	16.04	34.13	500	0.85	34.04

102 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 102

2월 (February)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	20	10 50	52	6	7	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1021	5.9		Cu	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.45		34.21	30	10.60		34.09
10	11.49		34.24	47	10.50		34.10
20	11.29		34.18				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	20	11:25	210	4	14	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1019.5	5.9	5.6	Ci	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.35		34.17	75	12.72		34.06
10	12.70		34.29	100	12.09		34.04
20	12.30		34.20	125	11.85		34.01
30	12.61		34.18	150	9.07		33.98
50	12.79		34.07	205	3.05		33.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	20	12:10	700	3	15	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1021	5.5	5.1	Ci	9	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.77	34.23	125	4.56	33.92
10	12.80	34.16	150	2.03	33.91
20	12.83	34.12	200	1.45	33.95
30	12.93	34.06	250	1.08	33.91
50	12.90	34.15	300	0.80	33.98
75	12.91	34.04	400	0.75	33.96
100	12.81	34.99	500	0.60	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	20	13:30	1390	3	15	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1017	6.2	5.9	Ns	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.83	33.87	125	7.09	34.41
10	12.84	34.31	150	3.36	34.24
20	12.81	34.37	200	2.39	34.04
30	12.86	34.38	250	1.69	33.98
50	12.95	34.54	300	1.14	33.87
75	12.88	34.47	400	0.90	-
100	12.80	34.50	500	0.79	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	20	15:25	1530	3	14	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1016.5	5.8	5.6	Ns	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.40	34.34	125	10.95	34.20
10	11.90	34.29	150	9.90	34.31
20	11.50	34.32	200	9.89	34.16
30	11.45	34.22	250	6.75	34.02
50	11.42	34.17	300	2.03	33.87
75	11.32	34.17	400	1.22	33.91
100	10.97	34.17	500	1.13	33.85

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
09	20	17:20	1880	3	15	4	2	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NW	5	1016.5	5.4	5.1	N's	7	BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	10.95		33.83		125	10.85		34.25
10	10.90		34.09		150	10.73		34.24
20	11.02		34.20		200	7.35		34.03
30	10.96		34.36		250	4.40		33.95
50	10.87		34.36		300	1.52		33.91
75	10.80		34.29		400	1.02		34.18
100	10.85		34.25		500	0.90		34.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	20	19:20	1440			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	7	1016	6.1	5.8			BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.72	34.42	125	10.19	34.34
10	10.10	34.20	150	8.80	34.26
20	11.10	34.21	200	5.21	34.08
30	10.23	34.21	250	2.79	33.95
50	10.30	34.20	300	2.08	33.89
75	10.27	34.25	400	1.40	34.02
100	10.29	34.25	500	0.99	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	20	21:15	1780			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	7	1015	6.8	6.5			BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	10.35	34.29	125	7.92	33.86
10	10.82	34.40	150	7.55	33.78
20	11.00	34.34	200	5.10	33.77
30	10.00	34.25	250	2.89	33.80
50	10.73	34.13	300	2.12	-
75	10.54	34.06	400	1.32	34.10
100	9.42	34.01	500	0.92	34.10

3월 (March)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
04	24	06:10	52	4	10	5	2	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
W	7	1018.0	6.7	4.8	As	8	C	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	11.09		34.48		30	12.30		34.55
10	11.89		34.56		47	11.20		34.52
20	12.25							

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	24	06:45	210	4	14	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	7	1018.0	7.1	6.3	As	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.42	34.50	75	10.70	34.29
10	11.78	34.51	100	10.15	34.33
20	11.75	34.47	125	9.90	34.33
30	11.40	34.48	150	8.65	34.20
50	10.94	34.50	200	9.62	34.12

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	25	09:20	700	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1020.5	13.2	12.7	Ci	3	Bc
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	10.51	34.41		100	12.90	34.39	
10	11.30	34.44		125	10.24	34.26	
20	11.34	34.45		150	9.78	34.26	
30	11.38	34.43		200	7.39	34.11	
50	11.35	34.44		250	4.80	34.04	
75	11.46	34.44		300	3.50	34.96	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	25	10:40	1390	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	7	1020.5	14.2	13.8	Ci	3	Bc
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	11.25	34.39		100	10.70	34.36	
10	11.40	34.40		125	10.34	34.28	
20	11.40	34.42		150	9.51	34.23	
30	11.40	34.43		200	7.65	34.20	
50	11.28	-		250	4.20	34.03	
75	11.25	34.35		300	3.02	33.99	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	25	12:40	1530	3	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	7	1020.5	13.2	12.4	Ci	3	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.30		34.32	100	11.19		34.41
10	11.31		34.33	125	11.12		34.36
20	11.20		34.36	150	10.90		34.40
30	11.15		34.32	200	8.90		34.38
50	11.15		34.36	250	5.80		34.27
75	11.28		34.40	300	4.20		34.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	25	14:30	1880	4	17	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1020.0	14.8	14.2	Ci	3	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.58		34.50	100	11.50		34.40
10	11.75		34.49	125	11.35		34.42
20	12.81		34.44	150	10.81		34.36
30	12.71		34.44	200	9.21		34.29
50	11.75		34.49	250	5.10		34.26
75	11.80		34.47				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	25	16:30	1440	4	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1021.0	14.6	12.4	Ci	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.30		34.42	100		11.02	34.40
10	11.95		34.46	125		10.80	34.39
20	11.69		34.50	150		10.65	34.31
30	11.35		34.47	200		9.02	34.33
50	11.32		34.44	250		7.12	34.18
75	11.51		34.43	300		3.98	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	25	18:20	1780	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1021.0	11.5	10.3	Ci	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0°	11.25		34.43	100		10.84	34.43
10	11.30		34.42	125		9.70	34.28
20	11.41		34.44	150		5.95	34.07
30	11.35		34.44	200		3.51	34.01
50	11.35		34.46	250		2.35	34.01
75	11.15		34.42	300		1.59	34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	25	20:15	1440			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1021.0	11.4	10.9			B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	10.90		34.41	100	9.55		34.27
10	11.41		34.56	125	6.65		34.05
20	11.42		34.47	150	2.70		34.00
30	11.35		34.49	200	1.78		34.00
50	11.15		34.41	250	1.51		34.01
75	10.34		34.32	300	1.25		34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	25	22:05	1655			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1020.0	12.0	11.8			B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.38		34.39	100	9.95		34.37
10	11.85		34.47	125	7.42		34.23
20	11.90		34.52	150	2.84		34.08
30	11.85		34.53	200	1.40		34.05
50	11.25		34.44	250	1.30		34.05
75	11.60		34.33	300	0.95		34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	26	00:05	900			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1022.0	12.0				C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.82	34.58	100	12.81	34.64
10	12.93	34.63	125	12.65	34.60
20	12.92	34.62	150	11.80	34.52
30	12.45	34.62	200	11.00	34.38
50	12.80	34.64	250	8.12	34.28
75	12.85	34.64	300	5.12	34.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	26	01:50	540			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	7	1023.0	11.8	10.8			B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.12	34.56	100	12.41	34.52
10	12.69	34.57	125	11.61	34.61
20	12.52	34.61	150	11.38	34.45
30	12.50	34.57	200	10.98	34.38
50	12.48	34.53	250	9.19	34.32
75	12.50	34.52	300	8.91	34.25

4 월 (April)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	08:30	52	5	8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1013	12.4		Ns	10	C
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	12.40	34.43	30	10.30	34.34		
10	11.60	34.43	47	9.45	34.25		
20	11.40	34.36					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	09:05	210	4	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1013	13.0		Ns	10	C
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	13.43	34.50	75	7.28	34.21		
10	13.27	34.51	100	4.07	34.33		
20	13.13	34.51	125	3.03	34.39		
30	12.47	34.52	150	2.33	34.07		
50	10.81	34.52	205	2.23	34.07		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	09:50	700	4	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1013	13.1		Ns	10	C

Z	T	S
m	°C	‰
0	14.10	34.52
10	14.07	34.57
20	13.70	34.52
30	13.30	34.48
50	13.05	34.49
75	12.60	34.52
100	12.12	34.34
125	7.85	34.25
150	3.43	34.16
200	2.56	34.00
250	1.57	33.98
300	1.18	33.96
400	0.60	34.05
500	0.60	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	11:10	1390	4	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1013	13.8		Ns	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0 ⁰	13.63	34.52	125	5.50	34.16
10	13.75	34.51	150	2.04	34.07
20	13.75	34.52	200	1.85	33.93
30	13.74	34.57	250	1.31	33.93
50	13.74	34.52	300	1.05	33.91
75	13.63	34.52	400	0.72	34.00
100	13.00	34.25	500	0.65	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	12	13:00	1530	4	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1011	14.2		Ns	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.80	34.57	125	10.10	34.31
10	12.60	34.57	150	9.39	34.25
20	12.48	34.61	200	4.42	34.16
30	12.45	34.52	250	1.73	34.03
50	11.98	34.46	300	1.05	34.04
75	11.21	34.42	400	0.73	34.03
100	11.00	34.39	500	0.60	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	12	14:50	1880	4	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1011	18.0		Cs	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.14	34.54	125	9.85	34.21
10	11.99	34.43	150	7.89	34.15
20	11.87	34.34	200	3.58	34.07
30	11.69	34.37	250	1.61	34.98
50	11.17	34.39	300	1.12	34.00
75	10.75	34.34	400	0.85	34.00
100	10.65	34.30	500	0.72	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	16:40	1440	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1010	12.8		Cs	10	1

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.89	34.25	125	9.25	34.21
10	11.91	34.34	150	8.63	34.21
20	11.85	34.43	200	6.30	34.05
30	11.73	34.46	250	2.00	33.96
50	11.38	34.48	300	1.23	33.98
75	10.71	34.34	400	0.77	34.00
100	9.71	34.25	500	0.57	34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	12	18:30	1780			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1010	11.4		Ns	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.50	34.34	125	5.17	34.16
10	11.45	34.36	150	3.20	33.91
20	11.40	34.36	200	1.47	33.93
30	11.30	34.36	250	0.97	33.91
50	10.63	34.34	300	0.89	33.91
75	9.76	34.35	400	0.70	33.91
100	7.57	34.37	500	0.58	34.00

5월 (May)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	06:15	52	4	5		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1020.0	16.2		Ci	4	Bc
Z m	T ℃		S ‰		Z m	T ℃	S ‰
0	14.40		34.29		30	6.74	34.22
10	13.25		34.31		50	2.44	34.07
20	9.70		34.28				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	15:00	210	3	8		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	20.0		Ci	4	Bc
Z m	T ℃		S ‰		Z m	T ℃	S ‰
0	14.69		34.26		75	6.68	34.20
10	14.59		34.29		100	3.25	-
20	13.60		34.31		125	1.58	34.44
30	13.25		34.31		150	1.21	34.43
50	8.23		34.27		200	0.98	34.01

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	04:00	700				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1020.0	15.4				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.45		34.17	100	13.37		34.33
10	14.65		34.26	125	10.05		34.32
20	14.31		34.45	150	5.66		34.14
30	13.92		34.44	200	2.45		34.05
50	13.69		34.36	250	3.21		34.01
75	13.39		34.22	300	1.69		34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	02:15	1390				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1020.0	16.6				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.60		34.33	100	9.12		34.40
10	15.58		34.51	125	8.42		34.26
20	14.02		34.53	150	5.68		34.15
30	13.35		34.53	200	3.19		34.06
50	11.20		34.45	250	1.99		33.99
75	10.94		34.30	300	1.40		34.01

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	00:15	1530			2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1020.0	16.0				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.39		34.47	100	16.39		34.59
10	16.33		34.55	125	11.52		34.49
20	15.25		34.60	150	8.22		34.58
30	14.31		34.64	200	6.12		34.18
50	13.40		34.59	250	2.98		34.06
75	12.40		34.52	300	2.06		34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	22:10	1880			2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1019.0	16.1				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.82		34.54	100	12.52		34.59
10	15.45		34.60	125	11.10		34.45
20	14.90		34.62	150	9.09		34.21
30	14.63		34.62	200	3.30		34.08
50	13.49		34.57	250	1.34		34.05
75	12.80		34.60	300	1.07		34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	20:20	1440				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1090.0	16.2				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.49		34.48	100	9.50		34.26
10	15.41		34.56	125	8.28		34.21
20	14.72		34.56	150	5.85		34.11
30	14.33		34.59	200	3.10		34.04
50	12.00		34.48	250	1.50		34.03
75	10.20		34.36	300	1.12		34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	14	18:20	1780	2	15		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1019.0	18.0		Cl	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.88		34.52	100	12.10		34.50
10	16.12		34.60	125	10.54		34.39
20	15.38		34.63	150	8.18		34.24
30	15.20		34.63	200	2.75		34.07
50	13.26		34.58	250	1.36		34.07
75	13.00			300	1.04		34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	14	16:30	1440	2	11		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1019.0	19.4		Ci	2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.69	34.57	100	12.00	34.52
10	16.15	34.63	125	10.90	34.42
20	15.49	34.64	150	8.24	34.18
30	14.56	34.71	200	4.51	34.11
50	12.79	34.54	250	2.49	34.07
75	12.23	34.46	300	1.62	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	14	14:30	1655	3	15		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1019.0	23.4		Ci	2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.59	34.56	100	12.37	34.52
10	16.36	34.67	125	11.16	34.49
20	14.25	34.63	150	8.61	34.25
30	14.12	34.59	200	5.61	34.17
50	13.16	34.56	250	3.21	34.02
75	12.39	34.52	300	1.14	34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	14	12:40	900	3	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1020.0	24.8	24.4	Ci	3	Bc
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.95		34.55	100		13.38	34.55
10	16.01		34.60	125		12.20	34.56
20	15.51		34.60	150		9.45	34.30
30	14.87		34.56	200		7.02	-
50	13.94		34.57	250		3.99	34.11
75	13.71		34.55	300		2.12	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	14	0:30	540	2	15		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
C	3	1021.0	25.0	24.6			B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.24		34.55	100		13.92	34.60
10	16.60		34.61	125		12.95	34.56
20	15.95		34.59	150		12.80	34.49
30	15.14		34.60	200		3.60	34.10
50	14.88		34.58	250		2.02	34.03
75	14.14		34.55	300		1.10	34.03

6월 (June)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	10:20	52	4	8.5	1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1011	22.3	22.2	Cc	7	BC

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	17.68	33.64	5.70	0.07	30	13.20	33.85	4.90	0.27
10	17.13	33.84	6.19	0.07	47	12.73	33.97	4.88	0.36
20	16.80	33.75	6.11	0.05					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	11:05	210	4	10	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1011	24.1	23.1			F

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	19.35	33.39	5.30	-	75	13.21	34.16	-	-
10	18.14	33.41	5.40	0.02	100	8.33	34.09	4.81	0.95
20	16.58	-	6.02	-	125	4.05	33.88	-	-
30	13.37	33.68	5.10	0.36	150	2.16	33.80	4.90	1.48
50	13.36	33.89	4.91	0.36	205	1.58	33.77	4.81	1.43

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	12:10	700	3	15	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1011	19.4	18.8	Cs	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.19	33.32	125	6.69	33.99
10	17.45	33.52	150	3.72	33.82
20	14.85	33.72	200	1.91	33.77
30	14.25	33.89	250	1.52	33.77
50	14.15	34.14	300	1.00	33.78
75	14.06	34.18	400	0.75	33.81
100	9.19	-	500	0.62	33.87

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	16	13:40	1390			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1011	21.2				F

Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg.at/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg.at/L
0	18.95	33.76	5.23	0	125	10.90	34.18	-	-
10	18.04	33.98	5.21	0	150	8.25	34.10	5.51	0.59
20	16.78	34.13	5.81	0	200	6.17	34.00	5.81	0.75
30	14.70	33.97	5.15	0.09	250	3.52	33.90	-	-
50	14.12	33.94	4.71	0.45	300	1.52	33.84	5.61	1.27
75	13.52	34.24	-	-	400	1.16	33.84	5.51	1.39
100	11.84	34.30	5.51	0.25	500	0.82	-	5.30	1.52

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	16	15:40	1530			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1009	20.1				R

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.47	33.69	125	10.50	34.15
10	19.03	34.17	150	8.00	33.95
20	17.50	34.37	200	5.87	33.87
30	15.96	34.43	250	4.40	33.88
50	15.28	34.48	300	1.70	33.80
75	13.95	34.48	400	1.16	33.89
100	11.80	34.29	500	0.90	33.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	16	17:40	1880			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1009	20.3	20.2	Ns	10	R

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	19.38	34.46	5.01	0	125	10.48	34.36	—	—
10	18.70	34.11	5.30	0	150	9.82	34.21	5.40	0.77
20	18.49	34.32	5.05	0	200	7.90	34.06	5.51	0.73
30	17.90	34.37	5.40	0	250	5.12	33.90	—	—
50	15.85	34.38	5.81	0.05	300	3.19	33.90	5.45	1.16
75	14.12	34.42	—	—	400	1.75	33.82	5.61	1.34
100	12.52	34.42	5.10	0.50	500	1.09	33.84	5.60	1.14

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	16	19:35	1440			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1009	20.4	20.3			R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.37		33.76	125	12.03		34.08
10	19.28		33.89	150	9.60		33.98
20	17.60		34.25	200	4.05		33.95
30	16.75		34.25	250	1.95		33.71
50	15.75		34.27	300	1.15		33.75
75	15.30		34.31	400	0.87		33.99
100	14.45		34.20	500	0.75		33.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	16	21:30	1780				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1012	22.5	20.3			R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.78		33.44	125	9.97		34.11
10	19.75		33.60	150	8.57		33.88
20	18.75		33.88	200	2.50		33.65
30	17.70		34.06	250	2.36		33.65
50	14.27		34.07	300	1.00		33.61
75	14.50		34.11	400	0.77		33.53
100	13.40		34.19	500	0.73		33.59

7월 (July)

조사선 태백산 (Tae Baek San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	9	08:50	52	4	11	S 3	S 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1004.5	21.5				B

Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μgat/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μgat/L
0	18.52	33.32	5.61	0.30	30	7.37	34.46	6.91	1.07
10	15.08	34.07	6.12	0.64	50	4.90	34.41	5.20	1.48
20	9.65	34.46	-	0.20					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	9	07:40	210	6	6	SW 3	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1004.5	18.0				B

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μgat/L	m	°C	‰	cc/L	μgat/L
0	14.82	32.73	4.82	0.70	50	7.85	34.31	4.71	1.43
10	13.58	32.99	4.30	0.77	100	4.90	34.32	5.20	1.23
20	13.48	33.65	4.20	0.91	150	2.80	34.26	5.21	1.36
30	11.99	34.22	4.40	0.93	205	1.52	34.27	5.02	1.57

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	9	06:30	700	5	8	SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1004	18.4				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	15.36	32.89	150	2.12	34.23
10	15.39	33.31	200	1.14	34.35
20	14.45	33.63	300	0.94	34.37
30	14.70	33.66	400	0.65	34.30
50	9.45	34.18	500	0.56	34.21
100	3.34	34.22			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	9	04:30	1390			SE 3	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1004.5	18.3				

Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg/L
0	16.96	32.73	5.41	0.18	150	5.66	34.49	5.28	0.20
10	16.68	33.39	5.40	0.20	200	1.39	34.56	4.81	0.57
20	16.62	33.66	5.53	0.23	300	1.00	34.51	5.01	1.52
30	14.11	33.66	5.02	0.55	400	0.77	34.09	5.02	1.86
50	13.10	34.07	4.41	0.66	500	0.78	34.10	4.22	-
100	8.34	34.45	4.82	0.68					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	9	02:10	1530			SE 4	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1004	20.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.85	33.20	150	9.40	34.31
10	19.76	33.39	200	1.67	34.39
20	16.53	33.65	300	1.05	34.45
30	14.93	33.66	400	0.90	34.45
50	14.57	34.09	500	0.70	34.42
100	13.52	34.25			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	9	00:00	1880			SE 5	SE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1002.5	21.0				
Z m	T °C	S ‰	O ₂ cc/L	Z m	T °C	S ‰	O ₂ cc/L
0	21.33	33.04	5.05	150	14.52	33.91	5.15
10	21.11	33.04	5.30	200	11.95	34.37	4.90
20	20.00	33.45	5.15	300	5.80	34.38	5.41
30	18.70	33.53	5.45	400	1.70	34.40	5.51
50	15.80	33.76	5.70	500	1.33	34.41	5.11
100	14.64	33.73	5.55				

8월 (August)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	13:40	52	6	4	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1012	26.2		NS	10	F

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μgat/L	m	°C	‰	cc/L	μgat/L
0	20.26	33.43	5.50	0.27	30	12.08	34.49	3.61	0.86
10	14.25	34.13	4.75	0.70	47	8.52	34.32	3.90	1.07
20	13.07	34.38	3.51	0.93					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	14:20	210	4	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1012	28.0		Ns	10	F

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μgat/L	m	°C	‰	cc/L	μgat/L
0	26.00	32.62	-	0.07	7.5	14.33	34.41	-	-
10	21.83	32.96	-	0.25	10.0	13.28	34.44	3.70	0.84
20	19.40	33.59	-	0.36	12.5	8.79	34.39	-	-
30	17.40	34.13	3.70	0.70	15.0	4.24	34.32	4.81	1.25
50	14.97	34.31	3.31	0.77	20.5	2.09	34.18	4.92	1.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	15:05	700	3	21	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1012	28.6		NS	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	26.88	32.41	125	14.15	34.46
10	25.27	32.42	150	13.79	34.44
20	20.39	33.08	200	10.15	34.44
30	16.73	33.55	250	5.09	34.29
50	15.40	34.06	300	2.50	34.20
75	14.40	34.43	400	1.40	34.16
100	14.32	34.50	500	1.10	34.20

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	16:20	1390	4	20	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1012	28.5		Cu	10	C

Z	T	S	O ₂	PO ₄ -P	Z	T	S	O ₂	PO ₄ -P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	27.26	32.49	4.02	0.05	125	14.23	34.48	-	-
10	27.55	33.34	4.31	-	150	13.57	34.51	4.53	0.48
20	27.16	33.62	4.40	0.02	200	12.50	34.60	4.95	0.50
30	20.50	33.65	5.21	0.09	250	9.14	34.41	-	-
50	16.46	34.06	4.60	0.23	300	5.90	34.31	5.03	1.00
75	14.79	34.24	-	-	400	1.80	34.17	4.91	1.38
100	14.58	34.44	4.02	1.16	500	1.23	34.16	4.30	1.43

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	18:10	1530	4	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1012	27.5		Cu	9	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	25.89		33.44	125		11.29	34.51
10	23.25		33.41	150		10.69	34.45
20	19.97		33.86	200		7.25	34.29
30	17.04		34.42	350		2.88	34.51
50	14.89		34.52	300		1.58	34.18
75	13.75		34.58	400		0.70	34.18
100	11.45		34.50	500		0.55	34.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	20:00	1880			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1012	27.0				C

Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg-at/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg-at/L
0	26.10	33.39	-	0.16	125	14.25	34.37	-	-
10	23.27	33.52	4.78	0.14	150	14.15	34.47	5.41	0.25
20	17.44	34.25	5.52	0.25	200	14.10	34.53	4.11	0.52
30	17.43	34.50	4.81	0.34	250	5.10	34.25	-	-
50	16.21	34.57	-	0.97	300	3.03	34.18	5.20	1.36
75	16.10	34.41	-	-	400	1.17	34.18	4.20	1.43
100	15.24	34.25	5.42	0.98	500	0.93	34.19	5.21	1.48

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	B	21:55	1440			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1012	27.1				C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.51	32.90	125	12.19	34.55
10	20.75	32.83	150	11.78	34.46
20	19.50	33.86	200	10.18	34.56
30	17.62	34.14	250	7.69	34.34
50	15.59	34.49	300	2.60	34.17
75	14.70	34.57	400	1.28	34.12
100	13.72	34.54	500	0.90	34.12

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	13	23:45	1780				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1011.5	27.4				C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.50	33.36	125	11.75	34.19
10	27.61	33.27	150	10.78	34.20
20	23.65	33.12	200	7.67	34.21
30	19.43	33.61	250	6.58	34.21
50	16.75	33.86	300	4.37	34.20
75	14.21	34.21	400	1.98	34.29
100	13.01	34.21	500	0.97	34.30

10월 (October)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	09:35	52	3	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1020	22.5		Ac	8	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.65	33.30	30	19.08	33.47
10	19.80	33.41	47	11.14	33.63
20	19.42	33.50			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	09:00	210	3	17	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW`	3	1020	20.6		AC	9	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0 ^p	20.00	33.52	75	14.81	34.15
10	20.43	33.98	100	9.18	34.10
20	20.04	34.53	125	6.75	33.40
30	17.64	34.34	150	2.98	33.35
50	14.93	34.26	205	1.53	33.32

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	08:10	700	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1020	18.2		AC	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.95	34.03	125	8.00	34.30
10	22.16	34.02	150	6.28	34.25
20	21.72	34.91	200	3.02	34.15
30	17.80	34.22	250	1.58	34.09
50	15.77	34.55	300	1.30	34.09
75	13.68	34.49	400	1.15	34.07
100	9.69	34.37	500	0.99	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	19	06:50	1390	3	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1020	17.8		ci	4	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	21.25	33.87	125	12.60	34.45
10	21.30	33.80	150	10.48	34.38
20	21.40	33.86	200	6.50	34.25
30	21.20	33.79	250	3.00	34.10
50	17.30	34.27	300	1.58	34.09
75	15.82	34.44	400	1.24	34.07
100	14.70	34.49	500	0.94	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	19	05:00	1530				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1020	17.6				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.10	33.84	125	16.02	34.59
10	21.39	33.80	150	15.01	34.56
20	21.38	33.87	200	12.06	34.48
30	21.40	33.81	250	3.99	34.18
50	18.70	33.76	300	2.06	34.10
75	16.41	34.42	400	0.78	34.09
100	16.20	34.56	500	0.62	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	03:10	1880				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1020	16.8				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.15	33.69	125	13.35	34.39
10	21.26	33.62	150	9.00	34.30
20	21.26	33.59	200	7.50	34.24
30	21.28	33.59	250	4.41	34.14
50	21.29	34.04	300	3.21	34.10
75	16.76	34.34	400	1.01	34.09
100	14.30	34.40	500	0.82	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	19	01:20	1440				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1020	17.1				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.16	33.75	125	13.68	34.45
10	21.20	33.69	150	9.44	34.34
20	21.40	33.76	200	6.75	34.19
30	21.45	33.80	250	3.95	34.14
50	17.00	33.98	300	2.20	34.06
75	15.63	33.92	400	1.27	34.08
100	12.80	34.45	500	0.91	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	18	23:30	1780			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1020	17.3				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	22.06	34.27	125	13.75	34.43
10	22.20	34.28	150	11.78	34.48
20	22.28	34.25	200	8.55	34.29
30	22.30	34.23	250	6.45	34.20
50	21.62	34.33	300	2.97	34.14
75	17.40	34.26	400	1.36	34.11
100	16.31	34.26	500	0.97	34.10

12 월 (December)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	9	07:25	52			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1021.5	12.4		Cl	4	EC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.78		34.19	30		12.67	34.44
10	14.16		34.25	47		12.15	34.40
20	12.87						

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	9	06:40	210			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1022.0	13.8				BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.38		34.22	75		5.85	34.20
10	14.22		34.26	100		2.36	34.06
20	13.91		34.28	125		1.38	33.93
30	12.15		34.34	150		0.92	34.02
50	9.22		34.30	205		0.83	34.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	9	05:50	700			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1022.0	13.7				R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.68		34.21	125	5.40		34.18
10	14.34		34.24	150	2.72		34.10
20	14.12		34.29	200	1.93		34.06
30	13.88		34.30	250	0.98		34.03
50	12.86		34.34	300	0.90		34.05
75	9.87		34.33	400	0.72		34.02
100	7.44		34.25	500	0.50		34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	9	04:30	1390				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1022.0	15.0				R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.32		34.14	125	11.45		34.36
10	16.39		34.19	150	3.23		34.12
20	16.42		34.22	200	1.10		34.04
30	16.47		34.16	250	0.90		34.03
50	15.83		34.22	300	0.65		34.02
75	15.13		34.49	400	0.60		34.02
100	13.70		34.42	500	0.60		34.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	9	02:40	1530				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1022.0	18.0				BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	16.50	33.91	125	15.97	34.01		
10	16.60	34.13	150	14.55	34.32		
20	16.35	34.11	200	8.25	34.17		
30	16.24	34.07	250	3.51	34.09		
50	16.03	34.01	300	2.35	34.06		
75	16.01	33.98	400	0.98	34.04		
100	16.00	33.99	500	0.72	34.04		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	9	00:50	1880			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1022.0	16.2				B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.76	-	125	13.10	34.28		
10	15.84	34.20	150	9.69	34.25		
20	15.99	34.18	200	4.65	34.11		
30	15.96	34.10	250	1.97	-		
50	15.43	34.28	300	1.20	34.06		
75	15.14	34.06	400	0.99	34.08		
100	14.78	34.07	500	0.82	34.06		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	8	23:00	1440			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1022.0	16.5				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.70	33.98	125	13.29	34.31
10	15.83	33.99	150	11.15	34.37
20	16.00	33.98	200	5.92	34.17
30	15.97	34.01	250	2.00	34.08
50	15.99	34.01	300	1.80	34.04
75	16.00	34.99	400	0.90	34.05
100	15.43	34.06	500	0.74	34.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	8	21:10	1780			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1022.0	16.1				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.31	34.06	125	14.10	34.38
10	16.33	34.04	150	12.05	34.37
20	16.26	34.03	200	8.31	34.21
30	16.20	33.99	50	3.35	34.00
50	16.18	34.01	300	1.70	34.98
75	16.12	34.02	400	0.82	34.02
100	15.87	33.99	500	0.78	34.00

209 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 209

2월 (February)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	10:35	64	5	14	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1022	3.8		Ci	6	BC
Z m	T °C		S ‰		Z m	T °C	S ‰
0	12.00		33.91		30	12.12	34.28
10	12.08		34.18		50	12.02	34.24
20	11.96		34.18		59	11.80	34.20

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	09:50	150	5	13	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1022	4.8		Ci	6	BC
Z m	T °C		S ‰		Z m	T °C	S ‰
0	12.00		33.94		75	12.92	34.00
10	12.60		33.96		100	12.99	34.02
20	12.91		33.94		125	12.88	33.98
30	13.00		34.25		145	11.59	33.81
50	12.72		34.04				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
06	17	08:35	250	4	16	4	2	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NW	7	1022	4.4		Cl	4	BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	12.40		34.09		100	13.50		34.08
10	12.52		34.08		125	13.48		33.97
20	13.51		34.07		150	13.32		33.94
30	13.60		34.00		200	13.35		34.01
50	13.51		33.97		245	13.32		34.02
75	13.50		34.05					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	07:20	250	4	16	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
irection	Force		Dry	Wet	Type	Amount	
NW	7	1022	1.4		Cl	3	B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	12.62		-		100	13.61	34.37
10	13.38		34.22		125	13.48	34.47
20	13.61		34.22		150	13.35	34.26
30	13.60		34.22		200	13.00	34.19
50	13.65		34.33		245	12.80	34.11
75	13.09		34.27				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	05:40	200			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	8	1022	4.0				BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	13.18	34.27	75	13.18	34.15
10	13.35	34.22	100	13.15	34.16
20	13.40	34.19	125	13.39	34.18
30	13.45	34.18	150	13.35	34.15
50	13.43	34.13	195	13.25	34.18

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	03:55	150			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	8	1022	3.2				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.98	34.28	75	11.49	-
10	12.35	34.28	100	11.21	34.24
20	12.54	34.23	125	10.02	34.30
30	12.21	34.23	145	9.12	34.29
50	11.52	34.26			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	02:10	140			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	7	1024	3.8				BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.85	34.31	75	11.60	-
10	11.90	34.36	100	11.32	34.11
20	12.05	34.38	125	11.12	34.07
30	12.02	34.25	135	10.30	34.04
50	12.02	34.22			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	17	00:20	140			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1024	4.2				BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.20	34.42	75	11.46	—
10	11.50	34.32	100	11.38	34.22
20	11.45	—	125	10.46	34.06
30	11.35	34.38	135	9.70	34.12
50	11.45	34.21			

3 월 (March)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	26	23:50	64			4	I
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1026.0	12.5				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.30	34.53	30	12.44	34.56
10	12.40	34.57	50	12.10	34.55
20	12.40	34.56	59	11.60	34.48

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	26	23:00	150			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1026.5	12.5	12.0			B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.70	34.62	75	12.40	34.60
10	13.00	34.54	100	11.80	34.55
20	12.75	34.64	125	11.60	34.47
30	12.60	34.58	145	11.25	34.47
50	12.48	34.60			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	26	21:50	250			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1026.5	12.6	12.1			B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	12.45		34.53		100	10.45	34.40
10	12.60		34.60		125	10.12	34.34
20	12.48		34.59		150	9.75	34.31
30	12.15		34.50		200	9.12	34.28
50	11.30		34.48		245	7.30	34.18
75	10.95		34.45				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	26	20:30	250			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1027.5	12.4	12.2			B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	12.00		34.53		100	8.70	34.22
10	12.10		34.58		125	7.34	34.16
20	11.80		34.58		150	5.35	34.09
30	11.70		34.56		200	4.34	34.04
50	10.10		34.35		245	3.24	34.04
75	9.80		34.30				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
08	26	18:50	200	4	14	4	1	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
SE	5	1027.0	12.5	11.8	Cl	4	BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	12.50		34.60		75	12.20		34.58
10	12.64		34.60		100	12.10		34.54
20	12.55		34.59		125	11.90		34.52
30	12.00		34.57		150	11.30		34.51
50	12.34		34.57		195	10.40		34.39

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	26	17:00	200	4	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1027.0	13.6	13.0	Cl	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.18	34.01	75	12.78	34.58
10	13.12	34.63	100	12.70	34.59
20	13.05	34.60	125	12.51	34.58
30	13.09	34.62	150	12.18	34.54
50	13.97	34.62	195	11.19	34.51

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	26	15:20	140	4	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	7	1026.5	15.2	14.2	Cl	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	13.19		34.58	75		12.72	34.60
10	13.78		34.60	100		12.05	34.59
20	13.69		34.57	125		11.98	34.62
30	13.05		34.60	135		11.01	34.50
50	12.89		34.55				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	26	13.25	40	3	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1026.0	16.0	14.4	Cl	3	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	12.89	34.64	75	12.90	34.52		
10	13.05	34.61	100	12.91	34.55		
20	13.10	34.59	125	11.82	34.63		
30	13.00	34.61	135	11.70	34.62		
50	12.20	34.63					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	26	11:45	118	3	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1026.0	20.0	18.6	Cl	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	13.25	34.64	50	13.50	34.64
10	14.00	34.61	75	13.51	34.66
20	13.65	34.60	100	13.38	34.64
30	13.60	34.63	113	13.38	34.66

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	26	09:55	126	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1024.0	19.2	18.1	Cl	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	13.09	34.64	50	13.45	34.61
10	13.08	34.63	75	13.49	34.65
20	13.55	34.63	100	13.39	34.62
30	13.50	34.68	121	13.24	34.63

4월 (April)

조사선 : 저 리산(Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	07:35	64	5	10	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1015.5	12.6	12.4	Ns	10	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	12.93		34.54	30		11.95	34.40
10	13.07		34.49	50		11.29	34.36
20	12.51		34.45	59		10.66	34.25

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	06:55	150	6	13	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1015	12.6	12.2	Ns	10	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	14.07		34.62	75		13.08	34.52
10	14.14		34.61	100		12.71	34.48
20	13.90		34.61	125		10.36	34.43
30	13.56		34.61	145		5.40	34.34
50	13.50		34.58				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	11	05:45	250			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1017	12.4	12.2			C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	13.83	34.52			100	13.28	34.52
10	14.20	34.52			125	12.89	34.39
20	14.12	34.52			150	10.49	34.39
30	14.10	34.52			200	8.80	34.16
50	14.07	34.52			245	6.21	34.16
75	13.99	34.52					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	11	04:30	250			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1017	12.4	12.3			C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	14.99	34.60			100	13.78	34.45
10	14.25	34.61			125	13.12	34.39
20	14.20	34.56			150	11.97	34.21
30	14.14	34.52			200	3.50	34.07
50	13.97	34.54			245	2.39	34.03
75	13.89	34.57					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
08	11	02:45	200			3	1	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NE	5	1017	12.5	12.5			C	
Z	T		S		Z	T		S
m	°C		‰		m	°C		‰
0	13.52		34.55		75	13.63		34.61
10	13.73		34.54		100	13.63		34.51
20	13.71		34.53		125	13.51		34.43
30	13.67		34.54		150	13.19		34.52
50	13.65		34.59		195	13.10		34.61

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	11	01:50	150			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1017	12.5				C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.21	34.52	75	11.50	34.43
10	13.50	34.52	100	11.21	34.39
20	13.49	34.52	125	11.15	34.35
30	13.45	34.56	145	10.32	34.25
50	12.90	34.60			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	10	20:25	140			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1017	12.4				C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.27	34.53	75	11.55	34.52
10	13.33	34.52	100	11.24	34.34
20	13.20	34.54	125	10.50	34.25
30	12.90	34.56	135	9.85	34.07
50	12.06	34.43			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	10	21:45	140			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1017.5	12.0				C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.50	34.36	75	10.86	34.39
10	11.50	34.34	100	9.93	34.25
20	11.50	34.34	125	8.68	34.07
30	11.42	34.40	135	6.30	34.00
50	11.26	34.43			

6월 (June)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	13.50	64	5	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1011	19.1				R

Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg.at/L	Z m	T °C	S ‰	O ₂ cc/L	PO ₄ -P μg.at/L
0	17.16	33.87	5.71	0.36	30	11.93	33.97	5.05	0.70
10	15.71	33.43	5.80	0.09	50	10.10	34.07	4.92	0.77
20	13.32	33.86	5.15	1.16	59	7.35	34.42	4.90	1.04

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	12:50	150	4	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
irection	Force		Dry	Wet	Type	Amount	
SW	2	1012	19.8				R

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	μg-at/L	m	°C	‰	cc/L	μg-at/L
0	18.47	32.79	5.51	0.30	75	13.34	34.16	-	-
10	17.10	33.34	5.80	0.05	100	9.70	34.20	4.80	0.68
20	17.25	33.64	5.81	0.20	125	5.71	33.69	-	-
30	14.09	33.87	4.81	0.34	145	2.32	33.77	4.89	1.52
50	13.84	34.04	4.61	0.45					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	11:00	250	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1012	20.5	20.5			R

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.80	32.00	100	13.74	34.18
10	19.01	33.13	125	10.70	34.22
20	14.94	33.48	150	7.60	34.10
30	13.95	33.73	200	2.74	33.88
50	13.90	34.02	245	1.57	33.85
75	13.84	34.06			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	10:10	250	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1012	21.5				R

Z	T	S	O2	P04-P	Z	T	S	O2	P04-P
m	°C	‰	cc/L	µg at/L	m	°C	‰	cc/L	µg at/L
0	19.64	31.86	4.95	0.07	100	14.40	34.20	4.38	0.73
10	19.67	33.38	5.15	0.20	125	13.34	34.24	-	-
20	16.43	33.50	5.81	0.14	150	7.65	34.17	5.30	0.52
30	14.98	33.65	6.10	0.16	200	4.78	34.05	5.02	0.82
50	14.74	33.89	4.82	0.50	245	1.86	33.95	5.00	1.27
75	14.50	34.17	-	-					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	08:20	200	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1012	19.8	19.8			F

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.78	32.44	75	14.47	33.97
10	18.40	33.53	100	14.43	34.04
20	17.73	33.65	125	13.40	34.16
30	17.22	33.73	150	11.83	34.20
50	14.50	33.89	195	8.37	34.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	06:35	150			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1011	20.2	20.2			F

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.05	33.07	75	14.10	34.28
10	18.90	33.61	100	12.40	34.20
20	18.50	—	125	11.00	34.16
30	17.60	34.00	145	6.80	34.04
50	14.80	34.24			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	04:50	140			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1015	20.2				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.10		32.79	75	13.05		34.17
10	18.92		34.08	100	10.70		34.05
20	18.90		34.21	125	8.94		33.96
30	18.10		34.25	135	5.40		33.81
50	15.55		34.29				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	17	03:00	140			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1010.5	20.5	20.5			R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.17		32.81	75	14.92		34.13
10	18.77		33.40	100	14.86		34.17
20	18.72		-	125	11.50		34.09
30	17.65		33.78	135	7.30		33.83
50	15.20		34.02				

7월 (July)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	05:40	64	4	7	S2	SW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1006	20.3		As	10	C

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	µg.at/L	m	°C	‰	cc/L	µg.at/L
0	16.00	33.66	6.10	0.02	30	8.82	34.42	7.02	0.41
10	14.75	33.82	6.45	0.30	50	6.35	34.45	5.72	0.84
20	10.06	34.33	6.92	0.32	59	4.41	34.44	5.08	1.14

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	06:30	150	4	5	S 2	S 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1006	12.6		AS	10	C

Z	T	S	O 2	PO4-P	Z	T	S	O 2	PO4-P
m	°C	‰	cc/L	µg.at/L	m	°C	‰	cc/L	µg.at/L
0	14.25	32.35	5.62	0.45	50	3.88	33.83	5.02	1.34
10	13.05	32.92	5.65	0.52	100	2.53	34.21	5.12	1.43
20	10.47	33.12	6.24	0.55	145	2.02	34.31	5.31	1.48
30	10.20	33.66	5.31	0.89					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	11	17:50	250	4	9	S3	S2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1006	20.5		AS	10	C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	18.43	32.05			100	14.30	33.91
10	17.62	32.50			150	14.10	34.23
20	14.70	33.21			200	10.14	34.29
30	14.00	33.49			245	4.48	34.26
50	14.18	33.84					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	11	09:10	250	4	10	S2	S1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1007	22.3		AS	10	C

Z	T	S	O2	P04-P	Z	T	S	O2	P04-P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	20.64	32.16	5.41	0.11	100	14.80	34.17	4.52	0.89
10	20.45	32.19	5.50	0.14	150	11.20	34.25	5.12	0.93
20	19.10	33.26	5.51	0.18	200	4.97	34.23	5.02	1.16
30	15.70	33.28	5.81	0.30	245	1.21	34.21	4.72	1.43
50	15.25	33.32	5.11	0.45					

8월 (August)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	16:00	64	4	6	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013	26.0		Ci	9	C

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	µg.at/L	m	°C	‰	cc/L	µg.at/L
0	20.89	33.64	7.02	0.27	30	11.92	34.40	3.12	1.04
10	16.80	33.81	6.52	0.59	50	10.55	34.40	4.12	1.18
20	13.18	34.30	3.91	0.93	59	6.87	34.33	-	-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	15:15	150	4	12	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	6	1010	30.0		Ci	8	Bc

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	℃	‰	cc/L	μg.at/L	m	℃	‰	cc/L	μg.at/L
0	25.30	32.20	4.82	0.18	75	15.23	34.40	-	-
10	23.20	32.82	5.02	0.25	100	14.57	34.52	-	0.82
20	19.38	33.11	-	0.84	125	12.30	34.43	-	-
30	18.00	33.59	4.92	0.41	145	8.39	34.41	4.52	0.68
50	18.97	33.82	4.80	0.48					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	14:00	250	3	17	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	wet	Type	Amount	
SW	5	1011	29.3		Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.12	32.00	100	14.80	33.75
10	26.43	32.06	125	11.52	34.33
20	26.20	33.06	150	10.81	34.51
30	26.15	32.91	200	9.00	34.43
50	26.10	33.16	245	4.39	34.43
75	17.93	33.07			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	12:30	250	3	18	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1012	32.8		Ac	7	BC

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	26.70	32.03	4.51	0.05	100	14.74	34.21	-	0.68
10	26.60	31.81	-	0.16	125	14.20	34.38	-	-
20	26.17	33.10	4.70	0.27	150	9.93	34.46	4.72	0.70
30	22.98	32.79	4.55	0.20	200	3.99	34.25	5.01	1.16
50	17.02	33.08	5.41	0.23	245	1.90	34.20	4.71	1.50
75	14.90	33.87	-	-					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	14	10:45	200	4	21	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1012	32.5		Ac	7	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	26.27	32.27	75	24.19	33.71
10	26.90	32.29	100	19.20	33.62
20	29.14	32.88	125	17.88	34.21
30	28.51	32.88	150	15.09	34.29
50	26.50	33.19	195	14.62	34.42

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	09:00	150	3	22	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1012.5	32.0		AC	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	26.60	33.17	75	18.92	34.06
10	27.00	33.03	100	17.54	34.49
20	27.90	33.11	125	15.84	34.45
30	27.19	33.44	145	14.20	34.51
50	26.48	33.44			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	07:15	140	3	19	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1012.5	30.8		Ac	7	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	27.60		33.61	75		15.10	34.43
10	25.15		33.24	100		14.32	34.46
20	20.14		33.80	125		10.34	34.47
30	16.30		34.00	135		9.88	34.25
50	15.48		34.07				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	14	05:20	140				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1012	26.8				C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	27.44		33.08	50		18.40	33.86
10	27.80		33.59	75		18.40	34.41
20	27.26		34.04	100		18.40	34.65
30	23.50		33.90	135		17.18	34.47

10 월 (October)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	13:00	64	2	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1019	21.5				B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.30	33.24	30	18.37	33.79
10	19.62	33.22	50	15.40	33.77
20	19.29	33.38	59	11.59	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	13:40	150	3	14	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1018	24.2				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.20	33.36	75	14.55	34.54
10	21.00	33.27	100	11.19	34.42
20	20.59	33.27	125	4.80	34.26
30	17.90	33.40	145	2.21	34.12
50	16.06	34.49			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	14:50	250	2	15	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Wet	Type	Amount		
S	2	1017	25.2				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	22.26	33.94	100	16.20	34.55
10	22.25	33.92	125	11.96	34.42
20	22.24	33.91	150	10.00	34.31
30	21.27	33.93	200	3.49	34.16
50	19.96	34.02	245	1.86	34.07
75	17.55	34.48			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	19	16:05	250	2	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1017	28.4		Ac	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.72	33.86	100	15.20	34.52
10	21.75	33.85	125	14.39	34.55
20	21.69	33.84	150	11.02	34.42
30	21.57	33.78	200	3.78	34.15
50	21.51	33.81	245	1.00	34.07
75	17.18	34.11			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	19	17:55	200			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1017	20.0		Ac	7	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	22.70		33.91	75		14.50	34.05
10	22.76		33.91	100		14.50	34.33
20	22.72		33.93	125		14.42	34.54
30	19.02		33.68	150		12.30	34.44
50	18.32		33.64	195		7.99	34.25

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	19:40	150			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1017	18.8				C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.80		33.67	75		17.90	34.37
10	21.12		33.59	100		17.20	34.37
20	20.65		33.59	125		16.25	34.34
30	19.68		33.90	145		14.20	34.36
50	18.27		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	19	21:20	140			3	1
Wind			Air Temp.		Cloud		Weather
Direction	Force		Wet		Type	Amount	
SW	5	1018	18.7				C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.85		34.14	75		21.70	34.13
10	21.92		34.12	100		19.68	34.25
20	21.80		34.12	125		18.30	34.25
30	21.75		34.11	135		16.45	34.36
50	21.72		34.11				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	19	23:00	140			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1018	17.9				BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.92		34.11	75		22.14	34.18
10	21.08		34.08	100		18.40	34.23
20	22.10		34.08	125		18.16	34.45
30	22.14		34.16	135		17.00	34.60
50	22.12		34.18				

12월 (December)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	13:10	64	2	14	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	17.1		Ci	7	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	16.08		34.34	30		15.52	34.22
10	16.00		34.36	50		15.34	34.22
20	15.92		34.29	59		14.85	34.21

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	15:50	150	2	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	18.4		Ci	3	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	16.38		34.40	75		15.64	34.48
10	16.51		34.34	100		12.38	34.39
20	16.52		34.38	125		6.68	34.27
30	14.89		34.38	145		2.88	34.17
50	16.00		34.34				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	15:00	250	2	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	18.0		ci	4	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.47		34.49	100		10.26	34.34
10	17.62		34.51	125		5.80	34.20
20	17.54		34.45	150		3.00	34.10
30	17.60		34.49	200		2.37	34.10
50	17.42		34.46	245		1.98	34.07
75	15.16		34.44				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	16:00	250	2	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1026.0	20.0		ci	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.40		34.29	100		12.58	34.28
10	16.73		34.26	125		8.55	34.26
20	16.74		34.25	150		5.41	34.26
30	16.72		34.24	200		3.73	34.28
50	16.70		34.25	245		2.30	34.25
75	16.68		34.24				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	17:50	200			4	I
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	14.8				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.08		34.05	75		15.24	34.13
10	16.22		34.13	100		13.81	34.12
20	16.25		34.15	125		10.32	34.33
30	16.13		34.14	150		8.53	34.36
50	16.20		34.17	195		3.81	34.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	19:30	150			4	I
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1025.0	14.6				C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.10		34.21	75		15.56	34.23
10	16.89		34.22	100		13.57	34.22
20	16.82		34.22	125		10.80	34.37
30	16.58		34.22	145		4.19	34.33
50	16.60		34.29				

t. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	13	12:10	140			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1025.0	14.0				BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	15.82	34.14	75	15.12	34.10
10	16.12	34.12	100	13.14	34.11
20	15.68	34.12	125	10.17	34.15
30	15.99	34.13	135	7.04	34.31
50	16.18	34.13			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
11	13	22.50	140			5	1	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NW	6	1025.0	14.4				BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	14.65		34.16		75	15.10		34.12
10	15.84		34.16		100	13.14		34.11
20	15.31		34.17		125	10.04		34.14
30	15.84		34.18		135	7.12		34.36
50	16.12		34.14					

208 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 208

2월 (February)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	11:05	70	5	15	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1024	5.1	4.9	ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.57		34.44	30	12.30		34.27
10	12.34		34.41	50	12.32		34.29
20	12.20		33.83	65	12.30		34.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	16	12:00	130	5	15	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1024	5.5	5.2	ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.98		34.43	50	13.29		34.20
10	12.98		34.40	75	12.51		34.31
20	13.20		34.47	100	12.21		34.31
30	13.20		34.43	125	10.99		34.34

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	16	13:10	150	4	16	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1023.6	3.2	1.6	Cu	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	12.90		34.41	75		13.60	33.78
10	13.72		-	100		13.60	33.62
20	13.80		34.44	125		13.89	33.61
30	13.61		34.11	145		12.25	33.91
50	14.00		33.98				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	14:25	143	4	17	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1024	4.9	3.3	Cu	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.10		34.36	75		13.49	34.47
10	14.08		34.45	100		13.39	34.35
20	14.08		33.78	125		13.42	34.07
30	13.90		34.39	138		13.35	34.11
50	13.70		34.45				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	15:40	140	4	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1023	4.2	3.1	Cu	3	C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	13.21	34.36			75	13.31	34.38
10	13.20	-			100	13.30	34.38
20	13.19	-			125	13.30	34.38
30	-	-			135	13.15	34.34
50	13.21	34.47					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	16:50	135	4	17	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1024	2.2	1.5	Cu	8	C
Z m	T °C	S ‰			Z m	T °C	S ‰
0	13.30	34.36			50	13.40	34.39
10	13.35	34.33			75	13.38	34.36
20	13.35	34.36			100	13.45	34.34
30	13.36	34.38			175	13.43	34.31

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	16	18:00	130			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1024	3.0	2.5			BC
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	13.25	34.33		50	13.40	-	
10	13.25	34.34		75	13.38	-	
20	13.29	34.26		100	13.37	34.38	
30	13.32	34.36		125	13.29	34.37	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	16	19:10	130			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1024	3.2	2.5			BC
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	13.04	34.40		50	13.74	34.42	
10	13.62	-		75	13.73	34.45	
20	13.66	-		100	13.69	34.47	
30	13.69	34.45		125	13.50	-	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	16	20:20	130			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1024	2.7	2.5			BC
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	13.85	—		50	14.04	—	
10	13.80	34.48		75	14.00	34.44	
20	13.99	34.49		100	14.00	34.47	
30	14.00	34.52		125	13.86	34.52	

4 월 (April)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	10	08:50	70	4	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1016	17.5		CS	4	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.00	34.61	30	12.77	34.43
10	13.27	34.43	50	12.62	34.52
20	12.90	34.42	65	11.83	34.39

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
02	10	09:40	130	4	18	3	1	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NE	4	1016	15.8		CS	5	BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	14.28		34.60		50	14.10		34.52
10	14.18		34.55		75	14.10		34.53
20	14.15		34.47		100	13.65		34.54
30	14.13		34.45		125	12.95		34.40

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	10:50	150	4	19	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	16.7		CS	7	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.40	34.54	75	14.27	34.52
10	14.36	34.54	100	14.25	34.52
20	14.30	34.43	125	14.10	34.43
30	14.30	34.44	145	14.00	34.42
50	14.30	34.54			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	12:00	43	4	19	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	16.0		CS	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	14.40	34.43	75	13.87	34.52		
10	14.15	34.44	100	13.60	34.52		
20	14.04	34.43	125	13.29	34.52		
30	13.98	34.43	138	12.79	34.43		
50	13.95	34.52					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	13:10	140	4	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	16.5		Cs	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.40		34.52	75		13.73	34.57
10	13.92		34.60	100		13.19	34.52
20	13.90		34.58	125		11.89	34.52
30	13.84		34.58	135		11.52	34.49
50	13.83		34.60				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	10	14:20	135	4	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	15.2		CS	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.12		34.52	50		12.79	34.51
10	13.79		34.55	75		12.01	34.43
20	13.79		34.52	100		11.16	34.39
30	13.57		34.51	130		10.85	34.40

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	10	15:30	130	4	13	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	14.7		CS	9	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	13.13		34.52	50		11.60	34.36
10	12.75		34.52	75		11.53	34.36
20	12.49		34.43	100		11.39	34.35
30	12.45		34.42	125		10.72	34.43

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	10	16:40	130	4	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	14.9		CS	8	BC
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	13.60	34.49		50	12.60	34.48	
10	13.30	34.52		75	11.77	34.42	
20	13.20	34.51		100	9.98	34.25	
30	13.15	34.49		125	9.08	34.34	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	10	17:50	130	4	17	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1017	14.5		CS	9	C
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	14.08	34.52		50	13.36	34.52	
10	13.99	34.53		75	13.36	34.51	
20	13.90	34.51		100	13.36	34.52	
30	13.45	34.51		125	13.26	34.49	

6월 (June)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	19	07:10	70	4	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1012.5	18.9	18.9			R

Z	T	S	O2	P04-P	Z	T	S	O2	P04-P
m	℃	‰	cc/L	μg.at/L	m	℃	‰	cc/L	μg.at/L
0	19.59	31.22	5.05	0	30	14.27	33.84	5.52	0.14
10	18.20	32.69	5.60	0.05	50	13.83	34.09	4.81	0.45
20	15.36	33.82	5.12	0.25	65	13.49	34.17	-	0.59

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	19	08:10	130	3	12	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1012	19.0	19.0			R

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	℃	‰	cc/L	μg-at/L	m	℃	‰	cc/L	μg-at/L
0	19.67	33.01	5.31	0.05	50	14.75	33.41	5.31	0.27
10	19.38	-	5.41	0.05	75	13.95	33.78	-	-
20	16.35	33.09	5.90	0.52	100	13.73	33.82	4.50	0.57
30	16.19	33.35	6.15	0.01	125	13.40	33.82	4.51	0.57

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	09:35	150	2	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1012	19.3	19.3			R
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.16		33.73	75		14.78	33.89
10	19.60		33.76	100		14.19	33.68
20	17.84		33.75	125		19.07	34.12
30	15.80		33.84	145		14.06	33.99
50	15.10		33.89				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	10:50	143	2	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1012	20.3	20.2	NS	10	C

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m.	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	19.64	32.05	5.25	0.05	75	14.60	33.83	-	-
10	19.13	33.08	5.21	0.09	100	14.27	33.94	4.49	0.36
20	15.99	33.51	5.30	0.14	125	13.99	33.98	-	-
30	15.79	33.53	5.51	0.02	133	13.76	34.00	4.10	0.36
50	15.13	33.62	5.30	0.14					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	12:05	140	2	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1012.5	24.0	22.0	NS	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.75	32.45	75	15.20	33.81
10	18.70	33.00	100	14.39	33.98
20	18.65	33.21	125	13.44	34.10
30	18.10	33.23	138	10.45	33.91
50	17.70	33.53			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	13:20	135	2	18	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1012	26.7	23.8	NS	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.15	32.60	50	15.85	34.11
10	19.28	32.71	75	14.28	34.06
20	18.67	33.34	100	12.55	34.09
30	16.86	33.65	130	10.70	33.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	19	14:35	130	2	24	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1012	27.6	24.6	NS	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.72	32.24	50	15.13	34.00
10	18.88	33.45	75	14.35	34.04
20	18.70	33.57	100	13.00	34.10
30	17.00	33.87	125	8.90	33.89

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	19	15:50	130	2	21	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1011.5	26.6	24.0	NS	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	21.33	33.00	50	16.00	33.88
10	19.32	33.43	75	15.15	34.07
20	18.75	33.52	100	14.70	34.08
30	17.91	33.65	125	13.85	34.12

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	17:05	130	2	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1012.5	25.5	23.4	NS	10	C

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	21.41	33.17	50	15.42	33.51
10	19.39	33.17	75	15.24	33.97
20	18.53	33.20	100	14.82	33.98
30	17.55	33.32	125	14.74	34.04

7월 (July)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	11	16:00	70	5	8	S2	S1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1006	25.0		CS	10	C

Z m	T ℃	S ‰	O2 cc/L	Z m	T ℃	S ‰	O2 cc/L
0	20.50	32.38	5.61	30	13.75	33.86	4.55
10	16.34	32.73	5.51	50	13.84	34.26	4.31
20	14.30	33.58	4.92	65	11.20	34.29	4.41

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	11	15:00	130	5	10	S2	S1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1006	25.5		C.	10	C
Z m	T °C	S ‰	σ _t σ _t /L	Z m	T °C	S ‰	σ _t σ _t /L
0	20.00	32.28	5.82	50	14.25	33.87	4.50
10	17.40	32.31	5.41	100	14.00	34.41	4.45
20	14.69	33.01	5.00	125	12.20	34.41	4.23
30	15.36	33.48	5.11				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	11	13:50	150	4	11	S2	S1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1007	25.3		C	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	22.90	32.31	50	14.22	33.32
10	19.35	32.34	100	14.09	33.94
20	14.31	32.65	145	13.52	34.22
30	14.40	33.31			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	12:30	143	4	10	S 2	S 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1007	25.0		CS	10	C

Z	T	S	O2	PO4 - P	Z	T	S	O2	PO4 - P
m	°C	‰	cc/L	µg.at/L	m	°C	‰	cc/L	µg.at/L
0	23.47	32.34	5.00	0.09	50	15.65	33.76	5.42	0.30
10	21.83	32.38	5.31	0.11	100	15.17	33.97	4.48	0.43
20	19.94	32.74	5.42	0.14	138	14.04	34.25	4.40	0.52
30	19.37	33.35	4.95	0.14					

8 월 (August)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	15	08:00	70	3	7	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014	28.6		CI	3	BC

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	µg.at/L	m	°C	‰	cc/L	µg.at/L
0	25.02	32.32	4.02	0.02	30	15.68	34.47	4.03	0.57
10	17.80	33.24	3.90	0.32	50	14.20	34.28	3.75	0.48
20	16.90	33.87	4.51	0.05	65	9.54	34.36	4.02	0.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	15	09:15	130	3	24	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014	32.0		Cl	4	BC

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	μg.at/L	m	°C	‰	cc/L	μg.at/L
0	26.90	32.18	4.50	0.14	50	15.89	33.86	4.50	0.11
10	23.52	33.26	4.55	0.07	75	14.10	34.47	-	-
20	20.32	32.96	5.64	-	100	12.99	34.45	4.83	0.70
30	16.43	33.49	4.75	0.27	125	8.04	34.35	4.40	0.25

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
03	15	10:30	150	3	23	0	0	
Wind				Temp.		Cloud		Weather
Direction	Force	Bar.	Wet	Type	Amount			
SW	3	1014	32.0		01	3	30	
Z m	T °C		S ‰	Z m	T °C		S ‰	
0	26.80		33.07	75	18.32		34.34	
10	27.40		33.27	100	16.90		34.47	
20	27.89		33.49	125	15.60		34.47	
30	26.90		33.50	145	12.19		34.47	
50	22.30		34.20					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	11:40	143	3	26	0	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013	30.0		Cl	3	B

Z	T	S	O2	PO4-P	Z	T	S	O2	PO4-P
m	°C	‰	cc/L	µg.at/L	m	°C	‰	cc/L	µg.at/L
0	27.60	32.28	4.23	0.14	75	19.99	33.97	-	-
10	27.40	32.25	4.71	0.02	100	17.40	34.00	4.02	0.09
20	27.40	32.41	4.72	0.05	125	16.50	34.47	-	-
30	27.39	33.29	4.56	0.02	138	15.66	34.43	3.81	0.11
50	25.68	33.77	4.42	0.07					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	12:50	140	3	20	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013			ci	3	Bc

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.78	32.23	75	21.60	34.14
10	27.40	32.09	100	18.68	34.15
20	27.23	32.74	125	16.23	34.15
30	27.15	33.04	135	15.36	34.37
50	24.80	33.85			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	14:00	135	3	21	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013	31.0		ci	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	28.00	31.99	50	24.99	33.90
10	27.70	31.95	75	20.00	33.80
20	27.40	32.58	100	16.51	34.27
30	26.69	33.28	130	14.75	34.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	15:10	130	3	21	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013	31.0		ci	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	28.65	31.78	50	23.85	33.03
10	27.67	32.09	75	20.60	33.72
20	27.57	32.86	100	17.40	34.38
30	26.75	33.17	125	16.80	34.54

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	16:20	130	3	20	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013	30.0		Ci	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	28.65		32.76	50		22.67	33.28
10	27.60		32.97	75		18.37	33.49
20	27.20		32.95	100		16.70	34.21
30	26.54		33.07	125		16.62	34.58

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	17:30	130	3	20		
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1013	30.5		Ci	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	28.75		33.02	50		26.85	33.44
10	28.00		33.19	75		24.52	33.37
20	27.69		33.41	100		21.49	33.61
30	27.69		33.21	125		16.85	34.26

10 월 (October)

조사선 지리산 (Ji Ri San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	20	12:00	70	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1019	27.1		C1	5	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	22.40	34.10	30	17.61	33.71
10	22.37	34.07	50	12.28	34.30
20	22.30	34.06	65	10.40	34.38

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	20	11:10	110	3	14	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1018	24.5		ci	4	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	22.30	34.18	50	16.92	33.71
10	22.28	34.10	75	14.98	34.15
20	22.14	34.10	100	14.55	34.52
30	22.10	34.02	105	11.46	34.42

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	20	09:55	150	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1018	24.0		AC	7	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	22.65		34.17	75		17.00	34.43
10	22.90		34.15	100		16.45	34.61
20	22.65		34.14	125		16.30	34.63
30	22.35		34.18	145		15.70	34.64
50	19.58		34.20				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	20	08:45	143	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1018	24.5		AC	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	22.00		33.98	75		20.05	34.52
10	22.25		33.98	100		18.65	34.50
20	22.30		33.97	125		17.53	34.42
30	20.75		34.00	138		16.60	34.49
50	20.20		34.32				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	20	07:35	140	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1017	21.6		Ac	7	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.70		33.97	75		20.90	34.02
10	21.78		33.95	100		18.85	34.17
20	21.80		33.94	125		18.07	34.42
30	21.80		33.96	135		17.00	34.47
50	21.75		33.94				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	20	06:25	135	3	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1017	19.3		Ac	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	21.60		34.14	50		22.19	34.14
10	21.83		34.06	75		22.10	34.13
20	21.91		34.06	100		21.55	34.11
30	22.00		34.10	130		18.14	34.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	20	05:15	130			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1017	20.0				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.50		34.35	50	22.20		34.24
10	21.40		34.23	75	22.20		34.50
20	22.20		34.22	100	19.39		34.55
30	22.26		34.22	130	17.29		-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	20	04:05	130			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1017	19.1				B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.50		34.22	50	22.35		34.23
10	22.27		34.16	75	19.70		34.36
20	22.28		34.16	100	19.40		34.48
30	22.28		34.18	125	16.90		34.56

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	20	02:50	130			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
irection	Force		Dry	Wet	Type	Amount	
W	3	10 17	19.2				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	22.09	34.30	50	22.21	34.29
10	22.16	34.28	75	21.15	34.28
20	22.18	34.28	100	17.76	34.56
30	22.19	34.27	125	17.07	34.61

12월 (December)				조사선 지리산 (Ji Ri San)			
St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	14	11:40	70			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1090.0	14.0		ci	6	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	17.00	34.43	30	15.19	34.05		
10	16.73	34.44	50	14.97	34.13		
20	15.60	34.22	65	13.95	34.21		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	10 30	130			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1020.0	14.5		CI	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.72		34.49	50		17.10	-
10	17.81		34.51	75		16.27	34.44
20	17.95		-	100		13.60	34.34
30	17.92		34.48	125		6.97	34.21

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	09:40	150	4	13	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1021.0	13.7		CI	6	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.49		34.52	75		16.40	34.55
10	17.59		34.49	100		14.89	34.52
20	17.92		34.53	125		12.79	34.41
30	17.68		34.45	145		7.71	34.09
50	16.40		34.24				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	08:30	143	3	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1022.0	14.1		Ac	7	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.75		34.51	75		15.82	34.33
10	17.80		34.51	100		13.67	34.41
20	17.36		34.45	125		12.50	34.37
30	17.27		34.42	145		7.09	34.30
50	16.90		34.37				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	07:20	140			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1023.0	13.3				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.40		34.22	75		14.21	34.18
10	16.56		34.22	100		10.01	34.14
20	16.43		34.22	125		9.20	34.30
30	16.40		34.20	135		7.22	34.41
50	16.38		34.18				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	06:10	135			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1024.0	12.3				B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	16.51		34.25	75		14.12	34.21
10	16.55		34.22	100		11.21	34.20
20	16.67		34.21	125		9.78	34.18
30	16.70		34.22	130		-	-
50	16.63		34.21				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	05:00	130			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1024.5					B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	15.55		34.24	50		15.19	34.14
10	16.00		34.22	75		13.05	34.12
20	16.31		34.19	100		10.45	34.33
30	16.36		34.18	125		8.94	34.36

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	14	03:50	130			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1025.0	13.5				BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.75		34.23	50	15.21		34.15
10	16.89		34.22	75	13.24		34.17
20	16.24		34.19	100	11.18		34.15
30	16.26		34.16	125	9.34		34.33

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	02:40	130			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1025.0	14.7				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.34		34.22	50	16.48		34.20
10	16.94		-	75	15.50		34.19
20	16.41		34.22	100	12.89		34.14
30	16.50		34.22	125	9.14		34.34

남 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA SOUTHERN WATERS

1 9 7 8

207 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA. LINE 207

2 월 (February)

조 사 선 태 백 산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
01	11	12:00	85	4	4	NE2	NE2	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NE	3	1021.0	8.2		Cl	6	BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	11.50		33.67		30	12.02		33.86
10	12.27		33.85		50	12.08		33.83
20	12.11		33.87		75	12.07		33.85

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell	
02	11	13:20	103	3	10	NE2	NE2	
Wind		Baro.	Air Temp.		Cloud		Weather	
Direction	Force		Dry	Wet	Type	Amount		
NE	3	1020.5	8.2		Cl	6	BC	
Z m	T °C		S ‰		Z m	T °C		S ‰
0	13.80		34.11		50	13.54		34.04
10	12.98		34.12		75	13.60		34.05
20	13.68		34.07		100	13.10		33.96
30	13.73		34.06					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	11	14:10	125	3	14	NE3	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1019.5	7.8		Cl	6	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.50		34.14	50		14.50	34.12
10	14.29		34.10	75		14.48	34.10
20	14.19		34.11	100		13.78	34.05
30	14.52		34.10	120		13.37	33.99

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	15:20	240	3	13	NE3	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1012.9	7.6		Cl	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	13.50		34.11	100		14.68	34.14
10	14.70		34.14	125		14.58	34.10
20	14.79		34.12	150		14.58	34.12
30	14.82		34.13	200		13.98	34.06
50	14.87		34.11	235		12.15	33.88
75	14.84		34.14				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	16:20	160	3	14	NE3	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1019.5	8.6		Cl	8	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	14.23		34.12	50		14.70	34.13
10	14.63		34.15	75		14.70	34.13
20	14.34		34.15	100		14.72	34.12
30	14.56		34.14	125		14.79	34.12

4월 (April)

조사선 태백산 (Tae Baek Sa

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	10	14:30	80	4		NE3	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1012.5	15.3		AS	10	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	12.77		33.38	30		11.90	33.98
10	12.28		33.92	50		11.75	33.98
20	12.04		33.89	75		11.63	34.03

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	10	15:40	103			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1012.5	15.3		AS	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.26		34.16	50		12.82	34.07
10	14.17		34.16	75		12.52	34.03
20	14.02		34.16	100		12.11	34.05
30	12.98		34.04				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	16:00	113			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1012.4	14.7		AS	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.60		34.18	50		13.32	34.10
10	14.23		34.37	75		14.52	34.12
20	13.72		34.12	100		14.42	34.09
30	13.67		34.11	110		13.22	34.18

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	17:30	240			NE2	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1012.4	14.7		AS	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.61	34.10	100	14.51	34.18
10	14.86	34.06	125	14.50	34.18
20	14.68	34.16	150	13.43	34.17
30	14.62	34.21	200	10.32	34.15
50	14.65	34.19	235	7.43	34.19
75	14.61	34.18			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	18:30	155			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1012.4	14.2		AS	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.82	34.21	75	14.58	34.18
10	14.71	34.18	100	14.51	34.18
20	14.48	34.16	125	14.59	34.20
30	14.50	34.17	150	14.52	34.13
50	14.67	34.17			

6월 (June)

조사선 태백산 (Tae Baek S

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	5	16:30	85	4	15	SE3	S2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1000.5	21.7		ci	8	C
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	16.21		33.34	30	15.23		33.56
10	15.82		33.56	50	14.88		33.66
20	15.04		33.56	75	14.59		33.68

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	7	09:30	102	4	16	SE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1012.0	20.3		ci	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	17.60		33.44	50	15.09		33.68
10	17.52		33.44	75	14.65		33.71
20	17.12		33.46	100	13.78		33.83
30	16.16		33.56				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	10:25	115	4	15	SE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1012.0	20.0		Cl	1	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.70	33.32	50	13.82	33.67
10	17.90	33.35	75	13.60	33.73
20	17.56	33.38	100	13.60	33.74
30	14.15	33.55	110	13.60	33.81

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	11:40	230	4	20	SE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1011.5	21.5		Cl	1	B
Z m	T °C		S ‰		Z m	T °C	S ‰
0	19.92		33.59		100	14.13	33.86
10	19.40		33.60		125	14.22	33.88
20	18.66		33.62		150	14.14	33.92
30	16.10		33.67		200	14.10	33.91
50	16.46		33.58		225	14.08	33.61
75	14.07		33.47				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	12:30	155	4	20	SE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1011.5	21.3			0	B

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	21.20	33.78	75	14.63	33.78
10	18.65	33.58	100	14.41	33.85
20	18.10	33.56	125	14.48	33.87
30	17.00	33.62	150	14.44	33.85
50	15.65	33.57			

8 월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	7	14:30	84	4	10	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1006.5	26.6		Cc	2	B

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	26.00	32.54	30	16.59	33.68
10	22.85	-	50	15.00	34.22
20	20.00	33.06	80	14.34	34.41

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	7	15:20	103	2	22	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1006.5	27.2		cc	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	26.75		32.56	50		14.40	33.74
10	25.65		32.44	75		14.31	34.25
20	20.75		33.04	100		14.28	34.43
30	17.85		-				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	16:20	115	2	20	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1006.5	27.3		cc	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	26.65		32.37	50		15.36	33.47
10	26.41		32.64	75		14.51	34.29
20	23.01		32.88	100		14.69	34.21
30	17.18		33.11	110		14.69	34.43

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	17:25	240	2	17	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1006.5	26.9		Ac	6	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	26.75		32.45	100		17.10	34.20
10	26.68		32.54	125		16.60	34.15
20	25.48		32.97	150		14.43	34.41
30	22.40		33.95	200		14.01	34.43
50	17.00		34.12	235		7.75	34.35
75	17.52		34.19				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	18:10	160	2	17	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1006.5	26.8		Ac	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	26.71		32.74	75		16.44	34.07
10	26.81		33.21	100		15.12	34.06
20	26.12		34.04	125		15.64	34.19
30	21.59		34.14	150		15.47	34.09
50	17.19		33.91				

10월 (October)

조사선 태백산 (Tae Baek San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	17	17:10	83			NE2	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1017	17.2		Cs	4	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	19.73		33.29	30		19.34	33.12
10	19.78		33.09	50		15.85	33.43
20	19.60		33.10	75		12.80	34.20

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	17	18:10	100			NE2	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1017	17.0		Cs	8	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	20.99		33.20	50		19.94	33.59
10	20.07		33.26	75		14.30	33.93
20	20.09		33.23	95		13.50	34.27
30	20.12		33.24				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	17	19:05	115			NE2	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1018	17.5		CS	8	C
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	22.14	34.01		50	21.10	-	
10	22.30	33.99		75	16.87	33.47	
20	22.35	33.97		100	13.90	33.97	
30	22.36	33.98		110	11.67	34.38	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	20:00	225			NE2	NE1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1018	17.8		CS	8	C
Z m	T °C	S ‰		Z m	T °C	S ‰	
0	22.87	34.06		100	22.85	34.03	
10	22.92	34.06		125	15.97	34.02	
20	23.00	34.06		150	15.78	34.58	
30	23.02	34.12		200	10.60	34.38	
50	22.80	33.99		220	7.68	34.29	
75	22.91	34.06					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	21:05	160			NE 2	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1018	18.0		CS	8	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	23.00		34.17	75		21.69	34.24
10	23.18		34.11	100		19.90	34.68
20	23.20		34.10	125		16.00	34.62
30	23.16		34.10	150		15.90	34.61
50	23.10		34.13				

12 월 (December)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	13	16:40	84	4	15	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1021.5	13.9		CI	2	B
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	14.90		33.95	30		14.80	34.06
10	14.78		33.93	50		14.90	34.11
20	14.80		34.00	75		14.83	34.23

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	13	17:30	103			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1021.5	13.3		CI	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	17.40		34.51	50		15.60	34.10
10	16.15		34.29	75		15.30	34.04
20	15.61		34.10	98		15.01	34.01
30	15.60		34.09				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	18:30	115			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1021.5	14.3		CI	2	B
Z m	T °C		S ‰	Z m		T °C	S ‰
0	19.01		34.53	50		16.62	34.29
10	18.82		34.55	75		16.06	34.37
20	18.15		34.51	100		14.92	34.39
30	17.54		34.55				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	19:30	240				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1021.5	14.8		Ci	3	BC
Z m	T °C		S ‰		Z m	T °C	S ‰
0	19.00		34.56		100	18.89	34.58
10	19.00		34.58		125	18.90	34.51
20	19.02		34.58		150	18.70	34.63
30	18.92		34.56		200	16.37	34.55
50	18.87		34.54		235	14.00	34.42
75	18.94		-				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	20:10	160				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1021.5	15.5		Ci	3	BC
Z m	T °C		S ‰		Z m	T °C	S ‰
0	19.02		34.58		75	18.29	34.52
10	19.00		34.57		100	18.20	34.56
20	19.02		34.57		125	17.89	34.54
30	18.91		34.56		150	16.08	34.60
50	18.40		34.52				

206 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 206

2월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	12	03:02	62			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3						
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.65		34.09	30	13.55		34.02
10	13.45		34.07	50	13.48		34.04
20	13.46		34.05	58	13.42		34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	12	02:00	70			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3						
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.70		34.05	30	13.31		34.02
10	13.23		34.05	50	13.20		34.02
20	13.32		34.05	65	12.10		33.88

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	12	00:40	94			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1017.5	8.8				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.44	34.10	50	14.11	34.08
10	14.53	34.10	75	13.40	34.05
20	14.48	—	100	12.70	33.98
30	14.51	34.10			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	23:20	110			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1018.0	9.4				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	13.60	34.08	50	11.91	33.85
10	13.67	34.07	75	11.76	33.83
20	12.57	33.95	100	11.69	33.84
30	12.05	33.94			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	22:10	125			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1018.0	9.6				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.10	34.07	50	13.24	34.03
10	13.30	34.01	75	12.69	33.96
20	13.30	34.05	100	12.71	33.88
30	13.33	34.04			

4 월 (April)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	11	05:15	60			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.0	13.5				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.48	33.89	30	11.29	33.92
10	11.35	33.91	50	11.31	34.00
20	11.37	33.91	55	11.38	34.39

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	11	04:10	70			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.0	13.6				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.61		34.35	30	11.65		33.93
10	13.57		34.09	50	11.52		33.90
20	12.02		33.91	65	11.36		33.94

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	11	02:45	90			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.2	13.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.00		34.13	50	12.31		33.96
10	14.02		34.13	75	11.70		33.90
20	14.08		34.15	85	11.29		33.89
30	13.98		34.13				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	01:35	110			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.2	14.2				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.51		34.16	50	13.01		34.02
10	14.45		34.13	75	12.36		33.96
20	14.32		34.12	100	12.18		33.96
30	13.96		34.12				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	00:05	160			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.5	14.6				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.16		34.18	75	14.98		34.19
10	15.21		34.18	100	14.90		34.21
20	15.17		34.19	125	14.83		34.21
30	15.10		34.19	150	14.70		34.19
50	15.10		34.18				

6월 (June)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	7	22:00	60			SE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1009.5	18.6				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	18.90		33.63	30	16.04		33.59
10	17.27		33.59	40	14.91		33.68
20	16.83		33.56	55	13.82		33.67

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	7	21:00	70			SE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1009.5	18.7		Cl	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	18.78		33.50	30	16.14		33.55
10	17.22		33.51	50	14.49		33.63
20	16.50		33.55	65	14.69		-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	19:40	93			SE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1009.5	19.0		Cl	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.02	33.32	50	13.88	33.53
10	17.14	33.43	75	13.50	33.68
20	15.35	33.49	90	13.39	33.67
30	14.55	33.50			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	18:20	110	4	18	S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1009.5	21.7		Cl	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.84	32.96	50	13.60	33.82
10	16.39	33.01	75	14.03	33.84
20	15.37	33.14	100	14.05	33.86
30	13.63	33.59			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	17:00	165	4	18	SE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1009.5	23.0		Ci	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	18.48		32.95	75	14.20		33.63
10	17.90		33.12	100	13.93		33.82
20	17.55		33.42	125	14.12		33.71
30	17.53		33.44	150	14.40		33.94
50	14.80		33.24				

8 월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	8	04:40	62			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1009.0	27.0				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	25.81		32.43	30	18.81		33.18
10	25.27		32.46	50	16.79		33.43
20	25.06		32.51	60	16.02		33.61

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	8	03:05	70			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1009.0	26.8				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	26.70		32.34	30		18.91	33.05
10	26.61		32.36	50		14.73	33.66
20	23.36		32.65	65		14.22	34.15

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	8	01:50	94			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1009.0	27.0				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	26.71		32.34	30		18.95	32.97
10	26.66		32.42	50		15.65	33.44
20	25.32		32.97	90		14.67	33.53

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	00:30	110			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1008.5	26.5				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	26.83	32.29	50	15.38	33.49
10	26.15	32.47	75	14.21	33.84
20	22.20	32.53	100	14.43	34.30
30	16.93	33.39			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	23:00	130			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1008.0	27.8				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	26.91	32.64	50	16.94	33.39
10	26.57	32.64	75	16.06	33.90
20	23.41	32.63	100	14.34	33.84
30	22.09	32.62	125	15.10	34.56

10월 (October)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	18	07:20	60			NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1018.5	19.0		Cl	6	BC
Z m	T ℃	S ‰		Z m	T ℃	S ‰	
0	20.95	33.65		30	21.34	33.80	
10	21.03	33.64		50	21.44	33.86	
20	21.06	33.66		55	15.35	33.98	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	06:20	74			N 1	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1018.0	17.6		Cs	10	C
Z m	T ℃	S ‰		Z m	T ℃	S ‰	
0	21.77	34.04		30	21.80	34.02	
10	21.85	34.02		50	21.63	33.96	
20	21.80	34.02		69	14.47	33.94	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	04:40	100			NE 1	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1017.5	17.5				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.90	33.92	50	19.88	33.78
10	21.90	33.91	75	15.87	34.48
20	22.42	33.94	95	16.11	34.53
30	21.88	33.94			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	03:20	110			NE 1	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1017.5	18.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	22.40	-	50	17.20	34.20
10	22.19	34.10	75	16.64	4.57
20	22.06	33.99	100	16.47	34.60
30	19.71	33.85			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	02:00	130			NE 1	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1017.5	18.0				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	22.50	34.15	50	21.58	34.45
10	22.36	34.06	75	20.10	34.28
20	22.05	34.06	100	18.14	34.45
30	21.78	33.94	125	16.46	34.62

12 월 (December)

조사선 태백산 (Tea Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	14	07:30	62			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1015.0	14.3		Ns	10	R
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.17	34.02	30	15.02	33.94		
10	15.15	34.00	50	15.00	33.90		
20	15.20	33.98	58	14.90	33.90		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	06:20	70			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1015.5	16.5				
Z m	T °C		S ‰		Z m	T °C	S ‰
0	16.75		34.30		30	15.50	34.36
10	16.48		34.33		50	15.96	34.26
20	16.00		34.16		65	15.75	34.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	05:00	94			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1016.5	16.9				
Z m	T °C		S ‰		Z m	T °C	S ‰
0	17.20		34.40		50	15.39	34.08
10	17.09		34.36		75	15.48	34.13
20	17.12		34.37		89	15.54	34.11
30	16.35		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	03:30	110			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1017.0	17.1				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	18.70		34.57	50		15.95	34.18
10	18.60		34.60	75		15.55	34.13
20	17.65		34.41	100		15.58	34.14
30	16.24		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	02:00	130			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1019.0	16.5				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	18.60		34.60	50		16.62	34.31
10	17.70		34.39	75		15.78	34.12
20	17.36		34.37	100		15.59	34.11
30	17.39		34.47	125		15.67	34.25

205 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 205

2월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	14	13:50	50	4	13	N 2	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.0	5.0		Cc	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.38		34.08	30	13.25		34.05
10	13.18		34.07	45	13.16		34.08
20	13.18		34.14				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	12:50	60	4	11	N 2	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.0	4.8		Cc	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.56		34.08	30	13.57		34.07
10	13.78		34.08	50	13.70		34.05
20	13.83		34.06				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	11:40	80	4	10	N 2	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.0	5.0		Cc	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.18		34.08	30	12.02		33.94
10	13.05		34.06	50	11.90		33.94
20	12.05		33.98	75	11.62		33.92

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	09:45	85	4	14	NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1025.0	5.0		Cc	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.33		34.11	30	14.50		34.10
10	14.53		34.09	50	14.28		34.08
20	14.56		34.10	75	13.32		34.01

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	08:00	115	4	11	NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1025.0	5.2		Ns	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.50		34.17	50	15.39		34.11
10	14.95		34.13	75	15.40		34.12
20	15.35		34.12	100	15.30		34.12
30	15.38		34.11				

4 월 (April)

조 사 선 태백산 (Tae Baek San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	21	10:10	57			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1005.0	15.0		Cc	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.50		33.52	30	11.34		33.51
10	11.44		33.52	50	11.17		33.49
20	11.35		33.51				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	13	01:50	60			W 3	W 3
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1005.0	14.4				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.41		34.10	30	11.90		34.34
10	14.05		34.12	50	11.80		34.00
20	13.45		34.10	55	11.62		33.96

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	00:40	85			W 3	W 3
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1004.0	14.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.61		34.00	30	12.87		33.98
10	13.00		33.98	50	12.66		33.98
20	12.90		33.01	75	12.55		33.96

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	23:20	85			W 3	W 3
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1004.0	14.8				R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.50		34.07	30	13.09		33.91
10	13.71		34.06	50	12.92		34.01
20	13.30		34.03	75	12.62		33.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	21:40	110			SW 3	SW 3
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1004.0	15.0				R

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.34	34.10	50	13.74	34.07
10	15.37	34.13	75	13.50	34.06
20	15.00	34.10	100	13.38	34.08
30	14.21	34.08			

6 월 (June)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	8	17.40	53	5	8	S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1012.0	22.5			0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.24	33.60	30	16.00	33.58
10	18.25	33.61	50	15.91	33.55
20	16.50	33.57			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	8	16:45	60	5	9	S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1012.5	23.0			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.69		33.59	30	14.32		33.47
10	17.38		33.58	50	13.66		33.47
20	15.09		33.59				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	8	15:40	85	5	12	S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1013.0	24.0			0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	18.25	33.28	30	13.95	33.67		
10	15.25	33.21	50	13.90	33.74		
20	13.65	33.27	75	13.95	33.76		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	14:00	85	4	15	S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1013.0	24.0			0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	20.26	32.88	30	13.50	33.43		
10	15.94	32.91	50	13.93	33.78		
20	14.03	33.13	75	13.90	33.83		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	8	12:20	110	3	20	SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1013.0	24.3				B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	20.23	33.43	50	15.90	33.67		
10	19.12	33.31	75	15.23	33.66		
20	18.88	33.33	100	14.78	33.61		
30	16.83	33.32	105	14.41	33.63		

8월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	10	05:30	53			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1008.0	26.4		As	10	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	26.33		31.94	30		17.10	33.76
10	24.09		32.34	50		13.00	33.54
20	22.44		32.89				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	10	04:30	60			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1007.0	27.4				
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	26.12		31.47	30		15.32	33.38
10	24.70		31.92	50		13.64	33.56
20	22.11		32.42				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	03:10	86			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1007.0	27.0				
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	27.50		31.42	30		18.21	33.39
10	26.12		31.46	50		15.25	33.47
20	26.32		33.27	75		15.31	33.87

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	01:20	85			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1007.0	27.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.75	33.41	30	26.83	34.06
10	27.20	33.47	50	23.18	34.39
20	26.73	33.48	75	20.33	34.68

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	9	23:30	116			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1007.0	27.1				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.68	33.75	50	21.60	34.38
10	27.70	33.75	75	18.94	34.37
20	26.88	33.86	100	16.65	34.38
30	23.81	34.18	110	15.88	34.32

10 월 (October)				조사선 태백산 (Tae Baek San)			
St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	19	04:50	50			N 1	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	17.6				
Z		T	S	Z		T	S
m		°C	‰	m		°C	‰
0		19.52	32.85	30		19.85	32.99
10		20.03	33.03	45		19.73	33.29
20		20.16	33.04				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	19	04:00	60			N 1	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	17.4		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.32		32.81	30	19.04		33.24
10	19.92		33.04	50	18.44		33.33
20	19.52		33.15	55	14.25		34.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	02:20	80			NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	17.6		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.89		33.20	30	19.60		33.74
10	20.30		33.29	50	14.88		33.18
20	20.22		33.34	75	14.18		34.33

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	00:30	85			NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1016.5	18.0		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.15		33.75	30	21.24		33.75
10	21.28		33.73	50	19.53		33.52
20	21.27		33.73	75	18.72		34.54

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	2240	110				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1017.0	17.5				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	23.17		34.02	50	21.32		33.75
10	23.22		34.06	75	20.43		34.10
20	22.79		33.96	100	19.30		34.16
30	22.06		33.85				

12 월 (December) 조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	04:50	54			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.5	9.8				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.33		33.00	30	12.35		33.30
10	12.38		33.29	50	12.41		33.29
20	12.41		33.29				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	16	04:00	60			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.5	10.0				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.75		33.47	30	12.69		33.41
10	12.70		33.43	50	12.63		33.39
20	12.71		33.42				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	16	02:40	86			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1017.5	10.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.30		34.32	30	14.70		33.83
10	16.35		34.27	50	14.98		34.44
20	14.96		33.93	75	14.95		-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	200:50	85			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1017.5	10.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.43		34.51	30	18.31		34.48
10	18.43		34.49	50	17.59		34.53
20	18.40		34.48	75	16.81		34.54

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	23:00	116			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1017.5	11.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.30		34.59	50	19.29		34.55
10	19.26		34.59	75	19.25		34.55
20	19.23		34.56	100	19.20		34.55
30	19.25		34.56	110	19.20		34.53

204 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 204

2 월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	14	14:40	35	4	10	N 2	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.0	5.0		Cc	7	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.45	34.10	20	13.28	34.12		
10	13.11	34.08	30	13.19	34.10		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	15:45	28	4	10	N 3	N 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1025.0	5.5		Cc	7	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.38	34.09	20	13.25	34.11
10	12.90	34.08	25	13.26	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	17:30	45			N 3	N 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4		1024.0	6.4		Cc	
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.50	33.98	30	11.77	33.99		
10	11.56	34.01	40	11.56	33.94		
20	11.72	33.97					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	20	11:00	72	4	10	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1020.0	6.0		Cc	3	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.60	34.14	30	13.72	34.28		
10	14.01	34.14	50	13.14	34.18		
20	14.05	34.18	68	13.05	34.10		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	20	12:10	90	4	13	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1019.0	7.2		Cc	5	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	14.10	34.46	50	14.79	34.15		
10	14.36	34.14	75	14.80	34.15		
20	14.49	34.12	85	14.79	34.10		
30	14.71	34.10					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	20	13:50	125	4	12	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1017.5	7.6		Cc	6	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.45	34.12	50	14.97	34.12		
10	14.36	34.11	75	14.99	34.10		
20	14.05	34.11	100	15.00	34.12		
30	14.93	34.11	120	14.98	34.13		

4월 (April)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	21	09:30	38			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1005.0	14.8		Cc	5	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.39		33.49	20	11.24		33.50
10	11.33		33.47	30	11.08		33.47

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	21	08:30	28			NE 2	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1005.0	14.2		Cs	7	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.59		33.45	20	11.44		33.51
10	11.55		33.46	25	11.31		-

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	21	07:10	45			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1005.0	12.4		Cc	3	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.44		33.56	30	11.40		33.58
10	11.36		33.56	40	11.53		33.61
20	11.38		33.55				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	09:30	75	6		NW 2	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1015.0	12.9	Cs	Cs	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	13.20		34.01	30		13.15	33.99
10	13.11		34.00	50		13.21	34.02
20	13.13		34.01	70		13.19	34.01

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	10:50	90	5		NW 2	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3				Cs	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.05		34.06	50		14.03	34.07
10	14.23		34.05	75		13.76	34.08
20	14.02		34.04	85		13.59	34.07
30	14.06		34.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	11:55	120			NW 2	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1015.0	15.0		Cs	10	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	15.20		34.07	50		14.52	34.00
10	14.77		34.06	75		14.33	34.05
20	14.86		34.04	100		14.20	34.03
30	14.67		34.05	115		14.21	34.07

6월 (June)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	8	18:20	36	5	10	S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1012.0	22.1			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.33	33.61	20	16.13	33.54		
10	17.99	33.58	30	15.88	33.51		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	8	19:30	28			S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1012.0	20.5			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	18.48	33.52	20	16.40	33.51		
10	17.64	33.55	23	15.08	33.46		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	8	20:35	50			S 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	1	1012.0	18.5			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	17.83	33.38	30	12.90	33.32		
10	16.61	33.40	45	12.90	33.32		
20	15.13	33.38					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	08:00	75	5	12	S 2	SE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1000.0	19.5		St	10	F
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	18.66		32.54	30	14.62	33.16	
10	17.17		32.54	50	14.00	33.71	
20	16.15		32.93	70	14.04	33.59	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	09:20	90	5	12	SW 2	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1009.0	21.0		Cl	5	BC
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	19.64		33.23	50	15.11	33.57	
10	17.48		33.34	75	14.61	33.66	
20	16.69		33.37	85	14.10	33.81	
30	15.81		33.47				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	10:40	125	5	15	SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1000.0	21.3		Cl	2	B
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	20.30		33.12	50	15.81	33.72	
10	18.71		33.13	75	15.41	33.59	
20	16.31		33.13	100	13.95	33.83	
30	15.75		33.29	120	13.97	33.79	

8월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	10	06:10	38	2	19	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1008.0	26.4		Ac	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	25.83		31.74	20	21.66		32.34
10	25.53		31.76	30	17.60		33.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	10	07:50	28	2	19	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1008.5	27.0		Cs	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	25.78		31.89	20	23.39		32.28
10	25.58		31.90	25	18.60		33.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	09:30	45	2	20	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1008.5	27.7		Ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.00		31.85	30	20.66		32.54
10	25.23		31.79	40	15.69		33.31
20	23.29		32.05				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	12:00	75	2	17	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1008.0	28.0		Ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	25.40		32.18	30	16.48		33.00
10	23.95		32.21	50	13.30		33.38
20	21.65		32.37	70	12.10		33.53

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	13:40	90	2	17	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1008.0	28.0		Cc	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.70		31.85	50	13.53		33.20
10	26.33		31.78	75	13.16		33.64
20	23.08		32.12	85	14.42		34.29
30	17.05		32.82				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	10	15:20	128	2	18	5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1008.0	27.5		Ac	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.53		32.09	50	13.21		32.91
10	24.15		32.24	75	14.05		33.23
20	18.78		32.58	100	14.61		34.40
30	16.05		32.63	125	14.50		34.45

10월 (October)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	19	06:00	40			NE 2	N 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	17.0				
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.51	32.74	20	19.73	32.69		
10	19.72	32.70	30	19.77	-		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	19	06:50	28			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	18.0		As	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.62	32.69	20	19.45	32.73		
10	19.76	32.69					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	08:00	45	4	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	19.8		Ci	3	BC
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.46	32.77	30	18.99	32.94		
10	19.59	32.77	40	15.34	33.33		
20	19.62	32.82					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	09:40	75	5	16	1	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	20.4		Ci	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.86		33.24	30	16.44		32.73
10	18.64		32.41	50	14.76		32.93
20	17.86		32.50	70	13.35		33.49

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	11:00	90	5	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1016.0	23.1		Ci	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.90		32.74	50	15.00		32.99
10	20.00		32.89	75	14.74		34.09
20	20.15		33.20	85	14.80		34.23
30	17.21		32.73				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	12:30	125	4	18	NW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1015.0	21.4		Ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.63		32.50	50	20.46		33.93
10	20.81		33.06	75	19.79		34.19
20	21.98		33.81	100	15.29		34.25
30	21.95		33.98	120	15.35		34.29

12월 (December)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	05:20	38			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018.0	8.9				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.20		33.25	20	12.29		33.25
10	12.20		33.27	30	12.24		33.28

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	16	06:30	28			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018.0	8.5				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.90		33.31	20	11.92		33.28
10	11.93		33.30	24	11.85		33.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	16	07:40	45			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1018.0	9.8		As	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.19		33.77	30	13.62		33.46
10	13.18		33.48	40	13.65		33.46
20	13.53		33.47				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	09:20	75	4	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1019.5	10.7		As	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.91		34.09	30	15.95		34.11
10	15.96		34.10	50	15.95		34.10
20	15.96		34.16	70	16.00		34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	10:40	90	4	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.5	12.3		Cc	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.70		34.43	50	17.79		34.45
10	17.79		34.46	75	17.74		34.44
20	17.78		34.47	85	17.02		34.47
30	17.84		34.48				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	12:00	128	4	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.0	11.9		Ac	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.20		34.49	50	18.02		34.47
10	18.25		34.49	75	17.78		34.48
20	18.05		34.49	100	17.19		34.45
30	18.01		34.47	125	15.85		34.54

203 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 203

2 월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	23	10:05	50	4	9	NW3	NW2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1023.0	9.0		Cl	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	11.72	34.05	30	13.23	34.07		
10	13.16	34.06	45	13.25	34.06		
20	13.23	34.07					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	23	09:05	95	4	10	NW3	NW2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1023.0	8.8		Cl	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	12.70	34.11	50	12.06	34.02		
10	12.34	34.03	75	13.05	34.03		
20	13.00	34.06	90	13.05	34.06		
30	13.07	34.05					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	23	07:50	120	4	7	NW3	NW2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1023.0	7.8		Cl	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	13.30	34.07	50	12.81	34.01		
10	12.58	34.06	75	12.78	34.01		
20	12.72	34.05	100	12.76	34.01		
30	12.82	34.02					

4월 (April)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	19	07:30	57			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1009.0	13.9		Cs	8	C
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.82		33.83	30	12.34		33.82
10	12.55		33.80	50	12.23		33.85
20	12.45		33.81				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	19	06:20	93			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1008.5	13.5		Cs	8	C
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	13.65		33.94	50	13.64		34.00
10	13.77		33.96	75	13.71		34.03
20	13.71		33.98	90	13.60		34.04
30	13.68		33.98				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	05:10	130			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1009.0	12.8				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	13.70		33.73	50	13.27		33.72
10	13.46		33.70	75	13.45		33.85
20	13.61		33.68	100	13.49		33.93
30	13.30		33.67	125	13.62		33.92

6월 (June)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	13	06:30	55			NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	1002.0	19.6		Cc	5	BC
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.18	32.00	30	12.91	32.87		
10	18.87	31.95	50	12.17	33.11		
20	16.00	32.38					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	13	07:40	100	5	15	NW2	W1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1002.0	21.0	.	Cc	5	BC
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.49	31.72	50	12.31	33.31		
10	18.25	32.08	75	12.60	33.40		
20	12.39	32.37	95	12.56	33.42		
30	12.30	33.00					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	09:00	130	4	17	NW2	W1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	1002.5	21.3		C1	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.88	32.06	50	14.09	33.60		
10	19.51	31.97	75	14.05	33.62		
20	16.54	32.37	100	14.08	33.63		
30	14.24	33.13	125	13.97	33.66		

8월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	14	11:40	57	2	19	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1009.0	27.4		Cc	5	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	27.33		30.51	30	20.29		32.34
10	27.03		30.69	50	12.85		-
20	26.20		31.03				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	12:50	95	2	19	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1008.5	27.6		Cc	6	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	27.50		30.76	50	14.67		32.82
10	27.30		30.78	75	14.72		33.25
20	27.13		30.78	90	12.26		-
30	25.00		31.44				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	14:00	135	3	18	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1008.0	27.7		Cc	5	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	27.43		31.65	50	23.08		32.32
10	26.73		31.66	75	13.92		33.74
20	24.98		32.07	100	11.69		33.23
30	24.90		32.27	125	10.78		33.37

10월 (October)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	23	09:40	55	6	8	NW1	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1024.0	16.8		Cl	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	17.42	33.07	30	16.41	32.87
10	17.00	32.85	50	13.79	33.21
20	16.71	32.88			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	23	11:00	97	6	8	NW1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1023.0	17.5		Cl	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.14	32.69	50	14.94	33.52
10	20.09	32.66	75	14.28	33.57
20	20.03	32.73	92	13.70	33.54
30	16.81	33.22			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	23	12:20	135	5	8	NW2	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1022.0	22.5		Cl	3	BC
Z		T	S	Z	T	S	
m		°C	‰	m	°C	‰	
0		20.02	32.78	50	20.25	33.60	
10		20.03	32.69	75	14.03	33.63	
20		20.10	32.74	100	12.25	33.37	
30		20.80	33.67	125	12.38	33.34	

12월 (December)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	18	10:00	57	4	13	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1018.0	8.1		Ac	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	17.80	34.47	30	17.55	34.47		
10	17.50	34.45	50	17.56	34.47		
20	17.48	34.47					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	11:10	95	3	18	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1018.0	8.1		Ac	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	17.30	34.53	50	17.70	34.36		
10	17.22	34.49	75	17.72	34.49		
20	17.57	34.50	90	17.70	34.50		
30	17.71	34.50					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	12:20	135	3	18	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1018.0	9.4		Ac	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	17.28	34.37	50	17.41	34.36		
10	17.31	34.36	75	17.50	34.45		
20	17.45	34.49	100	17.51	34.43		
30	17.35	34.51	125	17.51	34.43		

313 선 해 양 관 측 성 적

OCEANOGRAPHIC DATA, LINE 313

2월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	22	02:25	80			NW3	NW2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1023.0	7.8		Cl	2	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	13.69	34.07	30	13.97	34.06		
10	13.88	34.06	50	13.98	34.08		
20	13.90	34.06	75	13.97	34.06		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	22	01:10	92				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1021.0	9.0				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	13.60	34.05	50	13.68	34.01		
10	13.15	34.02	75	13.72	34.02		
20	13.62	34.02	90	13.69	34.03		
30	13.72	34.02					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	22	00:10	88				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1021.0	9.0				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	13.50	34.12	50	13.67	34.05		
10	13.26	34.03	75	13.60	34.02		
20	13.62	34.04	83	13.64	34.04		
30	13.55	34.17					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	21	23:10	80			NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3						
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.54	34.02	30	13.64	34.02		
10	13.53	34.02	50	13.55	34.02		
20	13.55	34.03	75	13.64	34.05		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	21	22:10	75			NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1021.0	8.8				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.50	34.05	30	13.61	34.02		
10	13.64	34.04	50	13.65	34.03		
20	13.69	34.02	70	13.66	34.05		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	21	21:00	72			NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1021.0	9.0				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.73	34.01	30	14.01	34.02		
10	13.95	34.00	50	14.01	34.04		
20	13.96	34.04	68	13.91	34.02		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	21	19:50	76			NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1021.0	9.2				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	13.46	34.02	30	13.55	34.03		
10	13.57	34.03	50	13.55	34.03		
20	13.60	34.04	70	13.60	34.02		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	21	18:50	70				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1021.0	9.3				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	13.54	34.01	30	13.72	33.99		
10	13.81	34.00	50	13.65	34.04		
20	13.80	34.00	65	13.61	34.01		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	21	17:50	68	4	9	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1021.0	9.6		Cl	2	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	13.73	34.01	30	13.80	34.01		
10	13.82	33.99	50	13.79	34.02		
20	13.83	34.04	63	13.61	34.02		

4월 (April)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	19	03:50	90			NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1009.5	12.8				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.02	33.54	50	12.70	33.54
10	13.04	33.53	75	12.21	33.75
20	13.09	33.53	85	12.11	33.76
30	12.79	33.51			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	07:30	90			SW1	SW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1010.0	12.5				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.86	33.45	50	13.03	33.61
10	12.82	33.46	75	13.38	33.87
20	12.75	—	85	13.34	33.88
30	12.79	33.47			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	00:20	85			SW1	SW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1		1010.0	12.3			
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	12.45	33.35	30	12.42	33.31		
10	12.42	33.32	50	12.39	33.42		
20	12.31	33.37	75	12.97	33.75		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	22:50	84			SWI	SWI
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1010.0	12.4				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	12.08	33.28	30	12.42	33.50		
10	11.98	33.22	50	12.50	33.57		
20	12.42	33.47	75	12.66	33.62		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	21:30	80			SWI	SWI
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1010.0	13.8				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	12.39	33.17	30	11.90	33.19		
10	12.02	33.15	50	12.21	33.43		
20	11.97	33.15	75	12.34	33.53		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	20:15	70			NWI	NWI
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1010.0	13.4				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	12.48	33.05	30	11.68	33.17		
10	11.68	33.00	50	12.08	33.42		
20	11.71	33.08	65	12.63	33.66		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	19:00	76			NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1010.0	14.5		Ac	5	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	12.80	33.06	30	11.61	33.22		
10	11.99	32.98	50	12.03	33.48		
20	11.57	33.01	70	12.46	33.65		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	18	17:50	70			NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1010.0	16.1		Ac	5	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	12.85	32.88	30	11.58	33.40		
10	11.87	32.89	50	11.71	33.47		
20	11.73	33.16	65	11.86	33.49		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	16:40	65	4		NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1010.0	16.7		Ac	5	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.56	33.24	30	12.00	33.38		
10	12.19	33.38	50	12.04	33.57		
20	12.15	33.40	60	12.13	33.61		

6월 (June)

조사선 태백산 (Tae Back San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	13	11:20	90	4	18	NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.5	21.5		Ci	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	18.95	32.85	50	15.00	33.49		
10	17.16	33.13	75	14.89	33.52		
20	16.09	33.34	85	14.14	33.79		
30	15.62	33.43					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	12:30	90	4	17	NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.5	22.0		Ci	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	20.81	31.95	50	14.76	33.60		
10	18.01	32.58	75	14.17	33.62		
20	16.58	33.26	85	14.18	33.63		
30	15.11	33.52					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	13:40	85	5	14	NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.5	22.3		Ci	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	21.10	31.88	50	13.68	33.62		
10	19.22	32.00	75	13.67	33.69		
20	17.63	32.56	80	13.59	33.71		
30	13.56	32.75					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	14:50	85	4	16	NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.0	22.5		Ci	8	C
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	21.09		31.91	50	13.48	33.59	
10	19.22		31.94	75	13.46	33.63	
20	16.63		32.89	80	13.45	33.64	
30	12.78		33.11				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	16:00	80	4	16	NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.0	22.7		Ci	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.50	31.90	30	12.11	32.35
10	18.95	31.81	50	13.13	33.45
20	14.31	32.13	75	13.18	33.53

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	17:10	70	4	16	NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.0	22.6		Ci	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.61	31.91	30	12.11	32.63
10	19.18	31.85	50	13.21	33.49
20	14.72	31.87	65	13.13	33.51

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	18:20	76			NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.0	22.3		Ci	8	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.07	31.78	30	11.16	32.32		
10	19.20	31.77	50	10.57	32.76		
20	15.58	31.90	70	11.31	32.97		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	19:30	70			NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.5	21.6		Ci	8	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.09	31.75	30	11.70	32.87		
10	18.27	31.70	50	11.75	33.04		
20	14.90	31.89	65	11.84	33.05		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	13	20:40	67			NW2	NW1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1002.5	21.0		Ci	8	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.85	31.57	30	14.23	31.95		
10	19.38	31.56	50	11.79	32.99		
20	18.32	31.55	62	12.23	33.18		

8월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	16:50	90	3	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1007.0	29.7		Cc	6	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.31	32.78	50	13.17	33.47		
10	26.64	33.10	75	12.64	33.49		
20	25.35	33.13	85	12.21	33.76		
30	22.97	33.34					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	18:10	92	3	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1007.0	27.3		Cc	8	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.40	31.92	50	12.40	33.55		
10	27.31	32.56	75	11.40	33.59		
20	26.26	33.21	87	11.39	33.60		
30	24.91	33.51					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	19:20	88			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1007.0	27.1		Cc	5	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.00	31.82	50	12.04	33.58		
10	27.16	31.88	75	11.65	33.62		
20	27.00	32.54	85	11.50	33.64		
30	15.18	32.74					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	20:30	84			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1008.0	26.9				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.30	31.92	30	12.55	33.10
10	26.88	31.96	50	11.13	33.56
20	25.61	32.85	75	10.86	33.62

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	21:40	83			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1009.0	26.9				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.28	31.80	30	13.33	32.32
10	26.81	31.94	50	10.68	33.21
20	23.93	32.08	75	10.53	33.45

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	22:50	72			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1009.0	26.8				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.31	31.84	30	15.22	32.51
10	26.95	31.84	50	10.82	33.47
20	25.37	31.82	68	10.76	33.45

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	00:00	76			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1009.0	26.6				
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	27.20		31.58	30	14.33	32.69	
10	26.80		31.74	50	10.91	33.47	
20	20.45		32.21	75	10.42	33.51	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	01:10	70			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1009.0	26.6				
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	26.90		30.73	30	15.64	32.97	
10	26.95		31.46	50	10.45	33.47	
20	23.31		31.74	65	10.61	33.52	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	15	02:20	68			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1009.0	26.4				
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	27.09		30.94	30	21.54	32.29	
10	27.00		31.29	50	11.55	33.22	
20	26.33		31.57	63	10.69	33.52	

10 월 (October)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	23	15:05	90	6	11	NE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1022.0	22.1		Cl	3	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	20.82		34.14	50	20.47		34.22
10	20.78		34.17	75	18.31		34.37
20	20.63		34.19	85	18.27		34.38
30	20.46		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	23	16:20	92	4	17	NE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1021.0	21.4		Cl	5	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	21.84		34.07	50	20.95		34.21
10	21.80		34.07	75	17.33		34.30
20	21.63		34.09	87	16.83		34.25
30	21.54		34.13				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	23	17:40	85			NE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1021.0	19.8		Cl	6	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	20.57		33.06	50	12.27		34.08
10	20.56		32.98	75	11.91		34.06
20	21.22		33.60	80	11.87		34.08
30	21.51		33.95				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	23	18:50	82			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1020.5	19.4				C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.26	32.03	30	16.34	32.74		
10	20.32	32.02	50	11.73	33.12		
20	19.67	32.13	75	11.27	33.23		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	23	20:10	80			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.5	19.0				C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.69	32.18	30	19.62	33.06		
10	19.65	32.14	50	16.72	33.07		
20	19.83	32.96	75	13.80	32.98		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	23	21:30	75			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.5	19.6				C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.48	32.23	30	19.03	32.76		
10	19.52	32.21	50	18.03	32.65		
20	19.35	32.65	70	13.80	33.02		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	23	22:50	72			NE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.5	20.0				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.58		32.00	30	19.06		32.42
10	20.56		31.96	50	17.27		32.65
20	20.44		31.95	67	12.12		32.71

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	24	00:10	70			NE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1020.0	20.2				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.40		32.04	30	21.33		-
10	20.46		32.00	50	11.45		33.08
20	20.39		32.18	65	11.39		33.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	24	01:30	70			NE1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1020.0	20.2				C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.42		31.89	30	20.17		31.34
10	20.36		31.83	50	11.83		32.93
20	20.40		31.88	65	11.80		33.03

12 월 (December)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	04:30	90			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	7	1017.5	9.5				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	17.60		34.47	30	17.65		34.49
10	17.58		34.49	50	17.70		34.47
20	17.60		34.45	75	17.61		34.47
				85	17.36		34.51

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	03:00	92			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1017.5	10.0				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	17.58		34.48	50	17.62		34.46
10	17.60		34.47	75	17.62		34.52
20	17.62		34.48	88	17.62		34.48
30	17.60		34.47				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	01:30	88			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1017.5	10.3				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	17.49		34.45	50	17.65		34.44
10	17.51		34.45	75	17.68		34.43
20	17.60		34.43	83	17.66		34.47
30	17.61		34.43				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	00:00	84			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	17.38	34.43	30	17.51	34.43		
10	17.49	34.43	50	17.58	34.43		
20	17.49	34.43	75	17.61	34.43		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	22:30	83			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1019.0	10.5				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	17.01	34.31	30	17.32	34.36		
10	17.28	34.34	50	17.40	34.33		
20	17.31	34.36	75	17.27	34.33		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	21:20	72			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1019.0	10.5				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	17.00	34.38	30	17.34	34.34		
10	17.30	34.38	50	17.34	34.34		
20	17.30	34.36	68	17.23	34.32		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	20:00	76			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1019.0	10.4				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.30		34.11	30	16.84		34.18
10	16.78		34.11	50	16.92		34.11
20	16.77		34.10	70	16.80		34.13

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	19:00	76			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1019.0	10.4				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.63		34.00	30	16.55		34.00
10	16.61		33.98	50	16.61		34.01
20	16.60		33.98	65	16.60		34.01

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	17:50	68			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1018.0	10.6		Cs	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.31		34.22	30	17.30		34.20
10	17.30		34.22	50	17.30		34.19
20	17.33		34.20	63	17.12		34.22

314 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 314

2월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
00	20	21:30	160			NW 4	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1016.0	9.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.85	34.18	75	15.33	34.18
10 ^A	15.24	34.17	100	15.33	34.17
20	15.33	34.18	125	15.33	34.18
30	15.25	34.17	150	15.28	34.18
50	15.28	34.16			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	20	23:10	125			NW 4	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1016.0	9.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.91	34.17	50	14.94	34.21
10	15.25	34.19	75	15.30	34.18
20	15.23	34.19	100	15.29	34.18
30	15.26	34.18	120	15.33	34.19

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	21	00:50	125				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1016.0	9.3				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.88	34.14	50	15.23	34.22
10	15.15	34.15	75	15.27	34.16
20	15.31	34.17	100	15.19	34.15
30	15.28	34.16	120	15.23	34.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	21	02:40	110				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1016.0	9.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.70	34.19	50	15.88	34.15
10	15.03	34.18	75	15.84	34.18
20	15.82	34.16	100	15.91	34.17
30	15.80	34.17			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	21	04:40	105			NW 4	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1017.0	7.2				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.90	34.15	50	15.75	34.14
10	14.95	-	75	15.77	34.14
20	15.65	34.18	100	15.65	34.16
30	15.70	34.16			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	21	06:20	100			NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4		1018.0	6.8			

Z m	T °C	S ‰	Z m	T °C	S ‰
0	15.20	34.19	50	15.58	34.16
10	15.48	-	75	15.60	34.16
20	15.50	34.20	95	15.63	34.17
30	15.55	34.15			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	21	08:00	110	3	12	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.8	7.2		St	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	15.30		34.12	50		15.00	34.08
10	15.05		34.16	75		15.02	34.09
20	14.99		34.12	100		15.02	34.09
30	15.05		34.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	21	09:40	90	3	12	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1020.0	7.9		Cl	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.70		34.10	50		14.88	34.09
10	14.87		34.07	75		14.91	34.08
20	14.87		34.08	85		14.88	34.06
30	14.86		34.06				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	21	11:20	90	3	12	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1020.0	8.3		Ci	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.70	34.13	50	14.80	34.05
10	14.65	34.05	75	14.72	34.06
20	14.71	34.06	85	14.70	34.07
30	14.79	34.05			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	21	13:00	80	4	12	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1020.5	9.0		Ci	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	13.95	34.06	30	14.50	34.08
10	14.43	34.14	50	14.59	34.09
20	14.48	34.10	75	14.44	34.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	21	14:40	75	4	9	NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1021.0	9.6		Cl	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.60		34.07	30	14.40		34.08
10	14.42		34.08	50	14.33		34.06
20	14.34		34.06	70	14.40		34.06

4 월 (April)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
00	17	21:20	160			E 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1014.5	15.5				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.80		34.23	75	16.10		34.26
10	16.74		34.22	100	16.05		34.25
20	16.82		34.22	125	15.95		34.12
30	16.80		34.22	150	15.21		34.14
50	16.22		34.23				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	17	22:50	140			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount.	
NE	3	1013.5	15.6				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	16.65	34.21	75	16.38	34.20		
10	16.92	34.22	100	15.22	34.01		
20	16.98	34.22	125	14.72	34.00		
30	16.92	34.21	135	14.65	34.17		
50	16.90	34.19					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	00:35	120			E 3	E 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	3	1012.3	15.9				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	16.70	34.14	50	16.42	—
10	16.47	34.15	75	15.83	34.14
20	16.52	34.14	100	15.39	34.10
30	16.45	34.18	115	14.71	34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	02:10	110				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1012.0	16.2				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	16.30	34.22	50	15.69	34.17
10	16.54	34.24	75	15.03	34.04
20	16.58	34.22	100	14.69	34.06
30	16.57	34.23			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	03:50	100			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1011.6	16.2				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	16.09	34.18	50	15.17	34.14
10	16.04	34.18	75	15.08	34.10
20	16.01	34.19	95	14.87	34.06
30	16.03	34.19			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	05:15	100			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3		1010.5	13.6			
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	14.44	34.18	50	15.04	34.02		
10	14.54	34.19	75	14.95	34.04		
20	15.32	34.07	95	14.76	34.02		
30	15.18	34.02					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	07:00	110			NE 2	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1010.5	12.8		Ns	6	R
Z m	T °C		S ‰	Z m		T °C	S ‰
0	14.35		33.91	50		14.58	33.90
10	14.67		33.92	75		14.50	33.88
20	14.76		33.94	100		14.72	34.01
30	14.74		33.91				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	08:25	90			NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1010.0	13.2		Ns	6	R

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.06	33.80	50	14.18	33.92
10	14.19	33.82	75	14.28	33.93
20	14.23	33.83	85	14.26	33.94
30	14.13	33.86			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	10:10	90			NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1010.3	13.6		Ns	10	R
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.93	33.15	50	12.86	33.53		
10	12.06	33.15	75	12.77	33.54		
20	12.25	33.20	85	12.78	33.56		
30	12.69	33.47					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	18	11:40	80			NW 2	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1010.2	15.4		Ns	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.55	32.72	30	12.11	33.27
10	11.41	32.74	50	12.41	33.48
20	11.54	32.85	75	12.45	33.49

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	13:50	75	4		NW 1	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1010.0	16.4		Ac	8	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.49	32.60	30	11.29	32.94
10	11.20	32.54	50	11.81	33.28
20	11.04	32.54	70	11.78	33.32

6월 (June)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
00	12	19:40	160			SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	999.0	20.3		St	10	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	22.00		33.38	75		17.15	33.58
10	21.42		33.81	100		16.08	33.92
20	21.40		33.92	125		14.69	33.62
30	20.30		33.93	150		13.83	33.81
50	17.33		33.82				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	12	21:30	140			SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1000.5	19.5		St	10	F
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	21.20		33.02	75		14.53	33.25
10	20.77		33.01	100		13.63	33.35
20	20.35		33.19	125		13.75	33.56
30	20.95		33.71	135		13.88	33.67
50	17.05		33.29				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	12	23:20	130			SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1001.0	18.8		St	10	F
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.56		33.01	50		16.38	33.83
10	20.30		33.00	75		14.39	33.56
20	21.05		33.60	100		13.70	33.67
30	18.00		33.86	125		13.82	33.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	01:00	110			SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1001.0	18.2		St	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.32		33.13	50		14.85	33.79
10	19.99		33.11	75		13.77	33.52
20	19.66		33.11	100		13.62	33.74
30	17.87		33.23				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	10:00	100	5	12	NE 3	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	3	1004.5	21.5		Cl	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	20.50		32.81	50		15.50	33.11
10	20.36		32.79	75		15.69	33.41
20	18.85		32.83	95		15.50	33.31
30	17.53		33.20				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	08:20	100	5	12	NE 3	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	3	1004.0	20.8		Cl	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	19.80		32.70	50		15.64	33.43
10	19.69		32.83	75		15.33	33.56
20	18.27		33.23	95		14.94	33.57
30	15.27		33.14				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	06:40	105			NE 2	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	3	1003.5	20.2		Cl	5	BC
Z m	T °C	S ‰			Z m	T °C	S ‰
0	18.23	33.04			50	14.79	33.60
10	18.14	33.01			75	14.26	33.63
20	17.03	33.26			100	14.20	33.64
30	16.30	33.40					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	05:00	95			NE 2	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1003.0	19.4				
Z m	T °C	S ‰			Z m	T °C	S ‰
0	20.15	32.09			50	13.00	33.25
10	19.90	32.06			75	13.20	33.66
20	15.18	32.40			90	13.20	33.66
30	11.73	32.57					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	14	03:20	90			NE 2	NE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1003.0	20.1				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.80		32.27	50	14.10		33.34
10	20.23		32.26	75	14.10		33.70
20	19.48		32.25	85	13.91		33.72
30	16.53		33.17				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	01:40	80			SE 2	SE 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1003.0	20.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.43		33.13	30	15.45		32.77
10	20.12		33.11	50	13.99		33.26
20	16.20		33.02	75	13.13		33.18

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	00:00	75			NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	2	1003.0	20.0				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.53	31.84	30	12.13	31.85
10	19.54	31.77	50	11.67	32.46
20	18.28	31.75	70	11.80	33.34

8 월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
00	19	00:00	160			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	998.0	27.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	28.02	34.19	75	26.61	34.20
10	28.09	34.17	100	23.35	34.58
20	27.85	34.20	125	20.27	34.76
30	26.45	34.22	150	18.50	34.76
50	26.50	34.21			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	18	22:20	140			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	998.0	27.0				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	28.14	34.11	75	24.80	34.49
10	28.11	34.07	100	20.51	34.76
20	26.80	34.27	125	18.91	34.76
30	26.68	34.16	135	16.37	34.71
50	26.10	34.32			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	20:40	125			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	998.0	27.5				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	28.21	34.07	50	26.35	34.36
10	28.20	34.11	75	22.80	34.58
20	27.47	34.27	100	18.28	34.36
30	27.05	34.36	120	18.80	34.78

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	19:00	110			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	998.0	27.0				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	28.10	33.60	50	23.12	34.29
10	28.06	33.83	75	16.60	34.22
20	25.50	34.04	100	13.12	34.22
30	25.30	34.17			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	17:20	100	2	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	998.0	27.1		Sc	6	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.90	31.18	50	18.16	33.84
10	26.00	32.02	75	14.59	34.03
20	25.11	-	95	13.03	33.87
30	24.87	33.59			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	15:30	100	2	19	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	998.0	30.7		Sc	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	28.00		30.96	50	22.43		32.65
10	27.04		31.64	75	18.05		33.91
20	25.76		32.62	95	14.35		33.80
30	24.89		32.82				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	12:50	110	2	18	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1008.1	28.3		Ci	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.00		30.57	50	17.42		34.25
10	27.22		30.49	75	12.40		34.00
20	24.77		33.69	100	12.90		34.47
30	18.10		33.98				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	11:10	90	2	17	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1008.5	28.2		Ci	5	BC
Z m	T °C	S ‰			Z m	T °C	S ‰
0	27.30	30.72			50	12.68	33.69
10	26.10	30.76			75	13.37	33.66
20	26.50	31.15			85	12.65	33.61
30	15.48	32.83					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	09:30	90	2	19	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1008.5	28.1		Cl	3	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	28.00		30.59	50		12.15	33.30
10	27.08		30.44	75		12.10	33.29
20	24.50		31.57	85		12.44	33.65
30	12.33		32.72				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	07:50	80	3	17	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1002.0	27.0		Cl	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	27.00		30.72	30		12.45	32.77
10	27.01		30.79	50		12.36	32.92
20	23.02		30.99	75		12.31	32.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	15	06:10	75			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1008.0	25.7		Cl	5	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	27.27		30.08	30		12.30	32.99
10	27.30		30.96	50		12.30	33.43
20	24.63		31.46	70		12.17	33.46

10 월 (October)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
00	24	22:10	140			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.0	20.0		08	10	C
Z m	T °C		S ‰		Z m	T °C	S ‰
0	23.69		34.22		75	23.44	34.28
10	23.79		34.20		100	23.37	34.22
20	23.78		34.20		125	18.01	34.25
30	23.71		34.25		135	15.30	34.56
50	23.69		34.28				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	24	20:30	140			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.0	20.8		08	10	C
Z m	T °C		S ‰		Z m	T °C	S ‰
0	23.50		34.17		75	23.10	34.10
10	23.47		34.13		100	19.36	34.52
20	23.41		34.13		125	18.45	34.54
30	23.22		34.10		135	15.55	34.56
50	23.10		34.07				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	24	18:50	120			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.0	21.0		Cs	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.90		34.09	50	22.84		34.03
10	22.94		34.05	75	22.81		34.04
20	22.96		34.08	100	16.46		34.60
30	22.84		34.03	115	16.43		34.62

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	24	17:10	110	4	12	NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1019.5	21.6		Cc	8	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.82		34.07	50	22.34		34.08
10	22.79		34.06	75	17.69		34.60
20	22.72		34.08	100	16.49		34.63
30	22.67		34.08				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	24	15:30	100	4	12	1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1021.5	22.5		Cc	4	BC
Z m	T °C	S ‰			Z m	T °C	S ‰
0	23.30	34.12			50	21.71	34.04
10	23.14	34.14			75	19.22	34.29
20	22.93	34.09			95	16.41	34.61
30	22.41	34.05					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	24	13:55	100	4	13	NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1021.5	22.4		Cc	4	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	22.66	34.07	50	22.16	34.08		
10	22.38	34.06	75	18.80	34.60		
20	22.31	34.08	95	16.60	34.63		
30	22.29	34.08					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	24	12:10	110	4	12	NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	1	1021.5	22.0		Cc	4	BC
Z m	T °C		S ‰	Z m		T °C	S ‰
0	22.85		34.07	50		18.70	34.57
10	22.08		33.98	75		16.54	34.58
20	21.26		33.90	100		16.41	34.58
30	21.10		34.21				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	24	10:30	95	4	12	NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	1	1021.5	23.7		Cc	8	C
Z m	T °C		S ‰	Z m		T °C	S ‰
0	22.18		33.98	50		20.20	34.22
10	22.06		33.94	75		18.50	34.43
20	21.39		33.95	90		17.46	34.54
30	21.36		33.97				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	24	08:40	90	4	13	NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	1	1022.0	23.4		Cc	9	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	21.45	33.94	50	21.30	34.02
10	21.42	33.98	75	18.98	34.50
20	21.38	33.99	85	16.45	34.49
30	21.40	33.98			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	24	06:50	80			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	1	1020.0	19.4		Cs	8	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.04	32.10	30	20.49	33.34
10	20.11	32.27	50	12.48	33.04
20	20.13	32.46	75	12.33	33.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	24	05:00	70			NE 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1020.0	20.0		Cs	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.19	32.52	30	20.20	32.68
10	20.16	32.56	50	14.13	33.05
20	19.90	32.57	65	13.21	33.03

12 월 (December)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
00	16	21:00	160			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1019.0	13.1				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.58	34.56	75	19.69	34.56
10	19.59	34.55	100	19.50	34.56
20	19.65	34.55	125	19.38	34.56
30	19.68	34.52	150	18.25	34.54
50	19.70	34.53			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	22:50	140			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018.5	12.7				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.50		34.54	75	19.80		34.52
10	19.69		34.55	100	19.81		34.55
20	19.46		34.55	125	19.81		34.53
30	19.66		34.53	135	16.20		34.55
50	19.71		34.51				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	17	00:40	125			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018.5	12.2				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.30	34.59	50	19.36	34.45
10	19.39	34.55	75	19.39	34.54
20	19.31	34.54	100	19.34	34.54
30	19.38	34.54	120	16.99	34.53

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	17	02:30	110			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018.0	11.7				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	19.10		34.52	50		19.12	34.48
10	19.14		34.48	75		19.16	34.55
20	19.20		34.49	100		18.99	34.56
30	19.16		34.49				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	04:20	100			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1018.0	11.7				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	19.20		34.52	50		19.09	34.54
10	19.21		34.56	75		16.47	34.55
20	19.19		34.55	95		16.41	34.55
30	19.15		34.54				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	06:00	100			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1017.5	11.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.60	34.58	50	18.30	34.45
10	18.91	34.48	75	18.08	34.45
20	18.62	34.48	95	16.23	34.58
30	18.45	34.44			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	07:40	110	2	19	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1018.0	12.6		As.	3	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	18.19	34.47	50	17.48	34.49		
10	18.17	34.49	75	16.46	34.52		
20	18.03	34.45	100	16.40	34.53		
30	18.39	34.48					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	09:20	90	2	22	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1018.0	13.6		Sc	7	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	18.04	34.42	50	18.05	34.54
10	18.20	34.44	75	17.90	34.49
20	18.06	34.45	85	17.38	34.55
30	18.06	34.47			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	11:00	90			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1017.5	13.4		Ns	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.00	34.47	50	18.10	34.43
10	18.00	34.44	75	18.09	34.45
20	18.02	34.44	85	18.00	34.52
30	18.04	34.42			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	12:40	80			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1017.2	13.2		Ac	8	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.90		34.42	30	17.98		34.52
10	17.93		34.43	50	17.97		34.42
20	17.99		34.43	75	17.49		34.49

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	14:20	75			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1017.6	12.5		Ns	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	17.52	34.42	30	17.80	34.44
10	17.71	34.41	50	17.81	34.44
20	17.81	34.43	70	17.90	34.52

서 해 해 양 조 사 성 적

OCEANOGRAPHIC DATA WESTERN WATERS

1 9 7 8

307 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 307

2월 (February)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	08:20	38	8	2.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1032.1	-3.0	-	Ci	2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	3.37	-	20	3.82	32.91
10	3.93	32.81	35	3.88	32.89

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	11:00	35	7	4	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1032.4	0.1	-	Sc	3	Bc
Z m	T °C		S ‰	Z m		T °C	S ‰
0	2.65		32.84	20		2.77	32.80
10	2.66		32.77	30		2.70	32.82

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	12:45	54	6	5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1032.0	0.8	—	Sc	3	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	3.26		32.88	30	3.18		32.85
10	3.30		32.82	50	3.15		32.86
20	3.21		32.85				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	14:30	60	6	6.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1031.6	1.2	-	Ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.45		32.90	30	4.40		32.98
10	4.40		32.99	50	4.44		32.98
20	4.38		32.97	55	4.30		32.92

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	16:15	58	5	7.5	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1030.5	1.5	-	Sc	8	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.61		32.83	30	4.48		32.85
10	4.55		32.82	53	4.50		32.78
20	4.52		32.82				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	18:00	63	-	-	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1030.1	0.7	-	Ns	9	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.74		32.86	30	4.76		32.89
10	4.70		32.88	50	4.67		32.90
20	4.68		32.91	55	4.62		32.95

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	18	19:45	67	-	-	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1030.3	0.4	-	-	-	-
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	4.81	32.89	30	4.81	32.92		
10	4.85	32.86	50	4.83	32.94		
20	4.90	32.38	62	4.78	32.95		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	21:30	75	-	-	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1030.0	1.5	-	-	-	-
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	4.68	32.94	30	5.07	33.00		
10	5.01	32.96	50	4.90	-		
20	5.04	32.79	70	4.84	33.04		

3월 (March)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	15	08:40	42	9	0.8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1014.0	9.2	-	As	3	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	6.52	32.65	20	2.43	33.37		
10	6.48	32.83	38	2.45	33.10		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	11:20	36	7	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1014.0	11.2	—	As	4	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	3.51	32.83	20	2.71	33.55		
10	2.69	32.65	30	2.59	33.91		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	13:00	48	6	4.5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1013.5	6.0	-		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	3.41	33.01	30	2.38	32.54
10	3.18	33.01	43	3.02	32.65
20	2.79	33.37			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	14:40	52	6	4.4	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1013.0	4.9	-		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	4.24	33.57	30	3.79	32.56
10	3.89	33.19	50	3.91	32.74
20	4.13	32.63	48	3.84	33.01

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	16:20	55	4	9.8	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1012.7	7.5	-		0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	6.25	33.40	30	4.68	32.61		
10	5.89	32.92	50	4.55	32.29		
20	4.63	32.83					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	18:00	64	3	10.3	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1013.0	6.1	-		0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	5.23	32.56	30	4.84	33.11		
10	4.86	33.57	50	4.86	33.18		
20	4.82	33.46	59	4.80	32.65		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	19:40	68	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1013.5	4.6	-	-	0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	5.20	33.01	30	4.82	33.01		
10	4.83	32.74	50	4.87	33.37		
20	4.78	33.09	63	4.81	33.55		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	15	21:20	76	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1013.8	3.8	-		0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	5.25	31.38	30	4.78	31.76		
10	4.85	30.94	50	4.84	32.47		
20	4.74	30.99	70	4.79	32.50		

4 월 (April)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	09:00	42	9	0.7	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1008.4	7.2	-	-	-	F
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	5.01	-	20	4.78	31.96		
10	4.79	31.76	38	4.87	31.96		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	11:40	32	8	1	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1008.5	69	-	Ci	3	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	5.38	31.75	20	4.89	31.91		
10	4.97	31.94	28	4.90	31.79		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	13:20	50	6	4.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1007.6	8.3	--	--	--	F

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	5.76	32.08	30	4.76	32.11
10	4.81	32.10	45	4.77	32.11
20	4.72	32.10			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	10	15:00	60	5	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1006.9	5.8	-	-	-	F

Z m	T °C	S ‰	Z m	T °C	S ‰
0	5.90	32.08	30	4.64	31.73
10	5.28	32.08	50	4.60	32.02
20	4.84	32.12	55	4.62	32.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	10	16:40	57	4	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	4	1005.7	7.1	-	-	-	F

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	6.54	32.17	30	5.48	32.17
10	6.10	32.20	52	5.52	32.17
20	5.59	32.19			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	10	18:20	63	3	14	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1005.7	6.9	-	-	-	F
Z m	T °C		S ‰	Z m		T °C	S ‰
0	6.49		32.23	30		5.65	32.22
10	6.40		32.22	50		5.65	32.25
20	5.61		32.14	58		5.75	32.21

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	10	20:00	70	-	-	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	5	1006.1	7.5	-	-	-	F
Z m	T °C		S ‰	Z m		T °C	S ‰
0	6.66		32.24	30		5.76	32.23
10	6.51		32.22	50		5.77	32.24
20	5.68		32.21	65		5.85	32.24

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	10	21:40	78	-	-	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	5	1006.0	6.4	-	-	-	F
Z m	T °C		S ‰	Z m		T °C	S ‰
0	6.97		32.16	30		5.96	32.20
10	7.06		-	50		5.86	32.20
20	6.48		32.17	73		5.93	32.17

6월 (June)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	06:00	45	8	2	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1009.3	13.2	-	Cl	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.92		32.54	30	11.90		33.17
10	12.05		33.15	40	12.05		33.16
20	11.93		33.18				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	08:40	33	5	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1010.0	15.7	-	Cl	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.28		33.26	20	10.70		33.26
10	12.87		33.27	30	10.55		33.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	10:20	52	4	11	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1009.6	15.8	-	Cl	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.73		33.35	30	8.76		33.32
10	13.24		33.38	48	8.86		33.32
20	9.48		33.33				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	7	12:00	58	4	13	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1008.8	18.5	-		0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	15.20	33.35	30	7.05	33.31
10	12.73	33.37	50	7.00	33.31
20	7.30	33.33	53	6.99	33.31

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	7	13:40	56	3	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1008.2	18.7	-	Sc	8	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	16.66	33.34	30	6.68	33.26
10	15.10	33.33	50	6.59	33.26
20	8.66	33.30			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	7	15:20	61	3	17	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1007.5	19.0	-	Sc	7	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.87	33.38	30	7.01	33.33
10	15.27	33.35	50	6.47	-
20	9.40	33.34	56	6.35	33.31

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	7	17:00	65	3	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1007.0	19.2	-	Cl	5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.68		33.41	30	6.54		33.33
10	14.76		33.39	50	6.28		33.34
20	8.90		33.33	60	5.01		33.34

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	7	18:40	74	4	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	4	1006.7	18.4	-	Cl	5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.32		33.33	30	7.10		33.29
10	14.23		33.35	50	6.42		33.27
20	9.61		33.28	69	5.95		33.26

8월 (August)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	8	11:50	37	5	5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1011.0	25.0	-	Ns	7	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.31		32.52	20	19.45		32.43
10	19.75		32.21	32	19.20		32.47

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	14:30	36	5	6	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1014.5	25.1	-	Ns	10	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.85	32.38	20	19.22	32.55		
20	19.80	32.46	30	18.95	32.56		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	11:20	54	3	8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014.0	27.2	-	As	8	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	26.20	32.07	30	22.68	32.28		
10	26.05	32.10	50	17.76	32.78		
20	25.50	32.28					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	12:55	60	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1015.0	28.0	-	As	9	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.50	32.12	30	23.95	32.44		
10	27.18	32.06	50	15.36	-		
20	27.02	32.08	55	15.05	-		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	14:25	59	3	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014.4	28.4	-	As	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.25		32.08	30	17.12		32.97
10	27.19		32.06	50	12.12		32.68
20	26.95		32.24				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	15:55	64	3	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014.0	28.5	-	As	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.38		32.23	30	14.03		33.00
10	27.19		32.13	50	10.90		33.08
20	27.13		32.09	59	10.85		33.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	17:25	67	3	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013.7	28.0	-	Cc	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.70		32.27	30	15.74		32.98
10	27.16		32.19	50	11.70		33.06
20	23.24		32.50	62	9.23		33.13

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	5	18:55	76	3	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014.5	27.8	-	Cs	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.84		32.24	30	16.17		32.96
10	27.32		32.22	50	11.08		33.08
20	26.01		32.46	70	9.36		33.22

10 월 (October)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	12	09:20	35	5	9	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1027.6	15.9	-		0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.00		32.44	20	19.51		32.40
10	19.97		32.32	30	19.35		32.42

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	11:50	36	4	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1027.8	16.3	-		0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.59		32.26	20	20.52		32.28
10	20.49		32.22	31	19.49		32.41

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	13:25	52	4	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	4	1027.6	16.4	-		0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.44	32.24	30	20.17	32.29		
10	20.42	32.25	47	15.85	32.68		
20	20.37	32.22					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	15:05	61	4	18	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1027.1	18.5	-		0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.54	32.00	30	18.58	32.35		
10	21.31	31.99	50	10.57	32.71		
20	20.22	32.18	54	10.47	32.74		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	16:45	57	4	15	2	1
Wind		baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1026.0	17.3	-	Cl	1	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.46	32.13	30	21.07	32.08		
10	21.38	32.06	50	8.80	32.66		
20	21.31	32.08	52	8.84	32.71		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	12	18:25	62	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	4	1025.5	17.2	-	Sc	5	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.58	32.10	30	21.00	32.13
10	21.42	32.07	50	8.94	32.66
20	21.20	32.11	57	8.49	32.68

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	12	20:05	65	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	4	1026.1	17.3	-	-	-	-

Z m	T °C	S ‰	Z m	T °C	S ‰
0	21.66	32.05	38	20.75	32.17
10	21.29	32.09	50	8.07	32.59
20	21.15	32.10	60	7.95	32.65

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	21:45	75	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1026.8	15.8	-	-	-	-

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.74	32.09	30	21.18	32.12
10	21.57	32.07	50	8.42	32.64
20	21.37	32.07	70	8.17	32.67

12월 (December)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	10:50	38	7	2	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WSW	3	1029.7	10.5	-	-	7	Bc
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.41		32.02	20	12.57		32.27
10	12.60		32.25	33	12.60		32.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	6	13:20	34	6	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1028.3	11.2	-	-	3	Bc
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.10		32.33	20	12.20		32.50
10	12.12		32.38	29	12.12		32.70

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	6	14:55	52	6	4.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1028.2	11.8	-	-	7	Bc
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.85		32.36	30	11.60		32.74
10	11.77		32.38	47	11.62		32.85
20	11.66		32.59				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	6	16:35	60	6	5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1028.3	10.8	-	-	5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.14		32.34	30	10.70		32.61
10	10.83		32.45	50	10.70		32.81
20	10.77		32.61	55	10.70		32.94

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	6	18:15	56	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1028.3	10.5	-	-	-	-
Z m	T °C		S ‰	Z m	T °C		S ‰
0	10.77		32.37	30	10.59		32.67
10	10.68		32.36	50	10.50		32.77
20	10.65		32.45	51	10.60		32.77

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	6	19:55	63	-	-	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1028.0	10.2	-	-	-	-
Z m	T °C		S ‰	Z m	T °C		S ‰
0	10.54		32.30	30	10.02		32.61
10	10.10		32.43	50	9.87		32.61
20	10.06		32.54	58	9.76		32.65

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	6	21:35	68	-	-	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1027.8	9.9	-	-	-	-

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.38	32.25	30	9.85	32.29
10	10.03	32.21	50	9.65	32.39
20	9.92	32.32	63	9.63	32.41

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	6	23:15	71	-	-	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1027.8	9.7	-	-	-	-

Z m	T °C	S ‰	Z m	T °C	S ‰
0	9.98	32.36	30	9.77	32.48
10	10.00	32.27	50	9.32	32.43
20	9.87	32.47	72	9.08	32.50

308 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 308

2월 (February)

조 사 선 한라산 (Han Ra Sa)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	20	11:45	20	7	2	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1023.6	5.0		Ci	3	Bc
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	4.47	32.81	15	4.56	32.91		
10	4.68	32.86					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	20	10:10	28	7	4	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1024.4	3.2		Ci	2	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	4.84	32.88	20	4.98	32.97		
10	5.14	32.95	23	4.97	32.77		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	14:05	49	5	8	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1027.0	0.4	-	Ci	4	Bc
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
6	4.38	33.01	30	4.98	32.75		
16	4.95	32.93	44	5.30	32.97		
26	5.10	32.98					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	12:30	50	4	8.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1027.5	0.3		Cl	5	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	4.91	32.92	30	4.63	32.91		
10	4.97	32.87	45	4.80	32.94		
20	4.78	32.88					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	10:55	52	3	10	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1027.4	0.9		Ns	7	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.07	32.95	30	5.08	32.88		
10	4.96	32.96	47	4.80	32.88		
20	4.98	32.90					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	09:20	58	3	10	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1027.3	2.0		NS	9	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.09	32.90	30	5.10	32.95		
10	5.03	32.94	53	4.91	32.74		
20	5.04	32.95					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	19	07:45	68	3	11	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	6	1026.0	2.5		Ns	7	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.18	32.98	30	5.14	33.00		
10	5.12	32.96	50	5.17	33.03		
20	5.20	32.98	63	5.20	33.02		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	19	06:00	76			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	6	1025.6	3.5				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.36	32.38	30	5.48	32.98		
10	5.41	32.90	50	5.45	32.99		
20	5.43	32.94	71	5.50	33.00		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	04:15	84			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1026.3	3.3				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.45	32.95	30	5.56	33.00		
10	5.50	32.98	50	5.37	33.05		
20	5.51	33.02	79	5.44	33.07		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	19	02:30	80			3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1027.8	2.4				
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	5.51	32.90	30	5.59	33.04		
10	5.56	32.92	50	5.56	33.07		
20	5.53	32.98	75	5.52	33.05		

3 월 (March)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	17:50	14	8	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1013.5	5.8			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	4.90	34.00	12	3.84	32.20		
10	3.50	32.47					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	16	16:10	35	7	3	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1013.5	7.5			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	4.94	32.81	20	3.93	32.14		
10	3.55	32.74	32	3.90	32.20		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	16	14:10	42	7	5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1015.0	6.8			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.92		32.82	30	3.99		32.38
10	3.51		32.27	37	3.89		32.73
20	3.91		32.18				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	12:30	43	8	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1015.1	5.2			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.91		32.92	30	3.68		32.93
10	3.74		32.79	38	3.62		32.99
20	3.58		32.74				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	10:50	57	4	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1015.4	4.9			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.90		32.72	30	4.34		32.92
10	4.31		33.11	52	4.23		33.11
20	4.20		32.54				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	09:10	59	5	6	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1015.0	4.0			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.92		32.47	30	4.13		33.33
10	4.23		32.90	54	4.56		33.35
20	4.51		32.91				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	16	07:30	73	4	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1014.5	4.0			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	4.95		32.59	30	4.85		32.57
10	4.78		32.97	50	4.88		32.99
20	4.76		32.45	68	4.99		33.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	16	05:50	78			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	1014.0	6.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	5.35		32.92	30	5.15		32.47
10	5.31		33.01	50	5.36		33.19
20	5.13		32.37	73	5.19		33.37

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	16	04:10	79			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1013.5	4.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	4.94	32.29	30	5.22	32.34
10	5.20	32.27	50	5.28	32.57
20	5.16	32.29	74	5.23	32.74

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	16	02:30	81			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1014.5	4.5				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	5.08	32.74	30	5.27	33.24
10	5.29	32.83	50	5.23	33.04
20	5.24	33.25	75	5.25	32.92

4월 (April)				조사선 천마산 (Chun Ma San)			
St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	11	18:20	20			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1005.2	7.2				F
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	7.31	32.09	15	6.54	32.10		
10	6.60	32.09					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	11	16:40	34	7	3.5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1004.7	6.2				F
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.55		32.07	20	6.90		31.99
10	6.06		32.15	29	6.10		32.15

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	11	15:00	47	6	5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1005.7	7.9				F
Z m	T °C		S ‰	Z m	T °C		S ‰
0	5.83		32.06	30	5.38		32.10
10	5.50		32.17	42	5.45		32.19
20	5.58		32.17				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	13:20	50	4	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	2	1005.9	6.4				F
Z m	T °C		S ‰	Z m	T °C		S ‰
0	5.80		32.17	30	5.74		32.23
10	5.69		32.23	45	5.85		32.23
20	5.73		32.23				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	11	11:10	48	4	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	2	1006.7	7.7				F
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.77	32.19	30	5.62	32.21		
10	5.58	32.21	43	5.60	32.22		
20	5.60	32.21					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	11	09:30	60	3	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1006.5	7.5				F
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.73	32.21	30	5.65	32.21		
10	5.60	32.21	55	5.54	32.21		
20	5.60	32.24					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	11	07:50	67	3	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1006.7	7.8				F
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.98	32.21	30	5.20	32.17		
10	5.93	32.20	50	5.20	32.19		
20	5.76	32.18	62	5.20	32.19		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	11	06:10	75			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1004.9	7.7				F
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.58		32.22	30	5.54		32.23
10	6.70		32.24	50	5.46		32.24
20	5.79		32.23	70	5.44		32.24

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	11	04:30	84			3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1004.7	9.0				F
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.97		32.23	30	6.02		32.29
10	7.10		32.24	50	5.80		32.29
20	6.72		32.28	79	5.80		32.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	11	02:50	80			2	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	3	1006.3	8.6				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.26		32.21	30	6.30		32.26
10	7.30		32.22	50	6.05		32.29
20	7.14		32.13	75	6.06		32.29

6월 (June)

조사선 천마산 (Chun Ma Sa)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	8	14:50	21	6	6	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	3	1011.2	21.7			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	14.97	33.35	16	10.89	33.35		
10	12.95	33.31					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	8	13:10	28	5	7.5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1011.5	17.3			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	15.98	33.33	20	10.15	33.29		
10	13.85	33.36	23	9.52	33.38		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	8	11:30	46	4	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1011.9	19.0			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	16.04	33.44	30	8.63	33.41		
10	14.02	33.38	41	8.58	33.42		
20	9.82	33.43					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	8	09:50	48	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1011.6	17.5			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.79		33.39	30	7.98		33.41
10	12.64		33.51	43	7.98		33.41
20	8.05		33.42				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	8	08:10	52	3	13.5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1011.3	17.4			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.10		33.38	30	6.38		33.40
10	14.18		33.38	47	6.86		33.40
20	6.99		-				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	8	06:30	60	5	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1011.1	17.2			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.47		33.34	30	6.40		33.38
10	14.97		33.37	50	6.31		33.38
20	6.52		33.40	55	6.35		33.38

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	8	04:50	70			2	1
Wind		Baro.	Air Temp.		Cloud		Weath.
Direction	Force		Dry	Wet	Type	Amount	
S	3	1010.2	16.8		Cl	1	B
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	16.85		33.34	30	6.08	33.41	
10	15.50		33.31	50	6.17	33.42	
20	11.70		33.36	65	5.99	33.42	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	8	03:10	78			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1009.7	16.1				
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	17.14		33.35	30	6.23	33.40	
10	15.42		33.37	50	6.03	33.41	
20	8.98		33.40	73	5.88	-	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	8	01:30	83			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SS	1	1009.5	15.8				
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	17.15		33.35	30	6.01	33.37	
10	14.01		33.41	50	6.08	33.41	
20	9.38		33.38	78	5.72	33.38	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	7	23:50	81			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	3	1009.3	17.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	16.37	33.32	30	6.27	33.39
10	14.05	33.35	50	5.67	33.42
20	10.03	33.36	76	5.44	33.42

8 월 (August)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	13:15	21	3	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1011.0	27.6		Ac	6	Bc

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	26.85	31.61	16	24.04	31.97
10	26.58	32.07			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	16	11:45	28	3	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1010.0	27.8		As	7	Bc
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	26.33	31.60	20	26.10	32.64		
10	26.26	32.54	26	26.51	32.56		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	16	10:15	49	3	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1010.5	27.6		As	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.72		32.67	30	24.65		32.81
10	27.42		32.60	44	17.80		33.13
20	27.21		32.70				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	08:45	50	3	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	2	1010.5	27.8		As	8	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.95		32.53	30	20.13		32.94
10	27.45		32.53	45	14.60		33.21
20	27.23		32.55				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	07:15	52			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1011.3	28.1		As	8	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	28.00		32.44	30	18.75		32.98
10	27.45		-	47	13.25		33.26
20	27.36		32.29				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	16	05:45	58			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013.7	28.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	28.05	32.24	30	16.75	33.08
10	27.81	32.19	53	12.60	33.26
20	27.45	32.23			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	16	04:15	68			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014.0	28.2				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.64		32.16	30	17.46		33.09
10	27.45		32.05	50	10.36		33.12
20	28.05		32.30	63	10.25		33.12

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	16	02:45	16			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1014.0	28.0				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	27.62	31.81	30	9.80	33.02
10	27.45	31.99	50	8.75	32.97
20	21.38	32.90	71	8.70	32.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	16	01:15	85			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013.0	27.6				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	28.03		32.11	30	14.44		33.15
10	27.94		32.25	50	8.02		33.02
20	24.70		32.50	80	8.01		33.17

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	16	23:45	91			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1013.7	27.5				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	28.10		32.11	30	14.11		33.13
10	27.90		32.34	50	8.22		32.99
20	24.64		32.84	76	8.20		33.17

10 일 (October)

조사선 한라산 (Hon Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	13	17:35	20	5	5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1025.4	17.6			0	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.23		31.30	10	19.11		31.30
10	17.27		32.35				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	13	16:00	29	5	7	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.5	17.9			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.82		32.28	20	17.16		32.34
10	19.85		32.21	24	18.90		32.41

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	14:25	48	4	12	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.4	17.7			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.30		32.05	30	18.60		32.05
10	21.26		32.01	43	13.90		32.73
20	21.10		32.05				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	12:50	50	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1025.6	16.7			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.53		32.18	30	17.30		32.40
10	20.62		32.19	42	13.10		32.75
20	20.55		32.20				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	11:10	53	3	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1027.8	15.0			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.00		32.14	30	21.18		32.09
10	21.05		32.09	48	16.19		32.17
20	19.93		32.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	09:30	56	3	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1027.0	16.4			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.66		32.00	30	18.95		32.46
10	21.78		31.94	51	11.48		32.79
20	21.66		31.94				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	07:50	65	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1027.8	15.8			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.62		31.95	30	14.19		32.62
10	21.57		31.96	50	9.90		32.79
20	21.58		31.93	60	9.90		32.80

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	06:10	77			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1027.0	15.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	21.73	32.02	30	14.87	32.55
10	21.65	31.95	50	9.66	32.78
20	21.62	31.97	72	9.42	32.83

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	04:25	82			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1026.7	15.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.64		31.98	30	14.25		32.60
10	21.51		31.97	50	9.48		32.74
20	21.35		31.99	77	9.12		32.81

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	13	02:40	80			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1026.6	14.5				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	21.57	32.07	30	15.10	32.55		
10	21.64	31.96	50	9.27	32.77		
20	21.55	31.97	75	9.02	32.80		

조사선 한라산 (Han Ra San)

12 월 (December)

12월 (December)							
St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	7	19:05	20			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1023.0	12.5				
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	12.01	32.40	15	12.12	32.66		
10	12.10	32.58					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	7	17:36	28			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1023.8	12.7				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	12.45	32.39	20	12.50	32.51
10	12.50	32.49	23	12.41	32.64

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	7	15:55	48	7	4	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1024.4	13.1			6	Bc
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	12.27	32.41	30	12.32	32.65		
10	12.46	32.45	43	12.30	32.72		
20	12.53	32.54					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	7	14: 20	50	5	6.5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1024.7	13.4			3	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	11.83	32.30	30	11.90	32.45		
10	11.87	32.30	45	11.80	32.56		
20	11.90	32.34					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	7	12:40	50	5	8	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1025.4	12.9			3	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.40	32.32	30	11.32	32.43
10	11.48	32.32	45	11.24	32.47
20	11.54	32.39			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	7	11:00	58	4	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1026.4	12.0			3	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.40	32.32	30	11.20	32.41
10	11.40	32.25	53	11.14	32.50
20	11.39	32.39			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	7	09:20	67	3	12	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1026.6	11.4			6	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.80	31.93	30	11.00	32.12
10	11.68	32.14	50	10.40	32.30
20	11.50	32.14	62	10.40	32.45

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	7	07:40	75	3	11	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1026.4	11.0			2	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	11.41	32.05	30	10.84	32.30
10	11.30	32.27	50	9.75	32.41
20	11.25	32.32	70	9.50	32.54

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	7	05:55	82			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1027.0	11.2				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.30	31.94	30	10.70	32.25		
10	11.12	32.18	50	9.49	32.25		
20	11.03	32.23	77	9.19	32.29		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	7	04:10	80			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1027.3	11.5				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.01	32.07	30	10.53	32.32
10	10.92	32.05	50	9.08	32.30
20	10.89	32.25	75	8.90	32.34

309 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 309

2월 (February)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	20	16:50	30	7	3	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1022.1	6.8		Ci	2	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	4.53	32.98	20	4.27	32.89		
10	4.44	32.94	25	4.30	32.91		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	20	18:25	44	6	4	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	6	1021.7	6.0		Ci	2	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.00	32.98	30	4.71	32.95		
10	4.89	32.97	39	4.59	32.98		
20	4.90	32.89					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	23	08:20	52	6	4.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1027.1	7.0			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.02	32.98	30	4.93	32.98		
10	4.89	32.92	47	4.94	32.96		
20	4.90	32.91					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	23	09:55	56	5	6	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	5	1028.2	8.3			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.47	33.00	30	5.40	-		
10	5.42	32.93	51	5.55	32.94		
20	5.46	33.00					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	23	11:30	68	4	7.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1028.4	8.7			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	6.00	33.04	30	5.76	33.09		
10	5.86	33.05	50	5.92	32.98		
20	5.86	33.00	63	5.84	33.03		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	23	13:10	65	4	9	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1027.5	8.9			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.28	33.03	30	5.36	32.99		
10	5.21	33.01	50	5.40	-		
20	5.22	32.79	60	5.36	33.03		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	23	14:50	65	3	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	4	1027.0	9.1			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	6.34	32.92	30	5.96	33.05		
10	5.99	33.07	50	5.94	33.05		
20	6.02	33.04	60	6.00	32.88		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	23	16:30	80	3	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1027.0	9.3			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	6.18	32.98	30	6.01	33.05		
10	6.04	33.04	50	6.03	33.07		
20	6.12	33.06	75	5.97	33.08		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	23	18:15	82			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1027.7	5.5			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	6.52	33.04	30	6.37	33.11		
10	6.31	33.05	50	6.29	33.07		
20	6.34	33.10	77	6.22	33.10		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	23	20:00	86			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1028.3	5.7				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	6.65	32.94	50	6.38	33.08
10	6.49	32.98	75	6.35	33.11
20	6.46	33.06	81	6.38	33.14
30	6.50	33.04			

3월 (March)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	22:20	28			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1013.0	5.2			0	B

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	5.34	32.81	20	4.39	31.94
10	4.23	31.83	25	4.31	31.74

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	17	04:20	35			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014.0	4.5			0	B

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	5.29	32.65	20	4.24	32.29
10	3.86	32.47	30	4.18	32.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	17	06:00	50			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014.5	4.7				F
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.20	32.59	30	4.89	32.94		
10	4.83	32.65	45	4.85	33.35		
20	4.94	32.72					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	17	07:40	52	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014.8	5.8				F
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.15	32.70	30	4.87	32.49		
10	4.82	32.64	47	4.84	32.97		
20	4.92	32.64					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	09:20	72	3	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1015.0	9.9			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	5.18	32.46	30	5.19	32.65		
10	5.48	33.04	50	5.14	32.29		
20	5.18	32.47	67	5.11	32.95		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	11:00	64	4	8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1015.5	9.1			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	5.97		32.95	30	5.48		33.13
10	5.47		32.97	50	5.36		32.65
20	5.51		33.55	60	5.33		32.88

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	12:40	70	3	9	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1015.0	8.0		Ac	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.43		33.46	30	5.87		32.94
10	5.98		32.99	50	5.86		32.65
20	5.85		32.79	65	5.78		32.97

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	14:20	82	2	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1014.0	7.5		Ac	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.40		32.95	30	5.85		32.90
10	5.92		32.88	50	5.83		33.12
20	5.80		32.90	77	5.76		32.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	16:00	82	3	9	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013.6	9.2		Ac	3	Bc

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	6.42	32.90	30	5.84	32.81
10	5.95	32.95	50	5.80	32.94
20	5.83	32.79	77	5.74	33.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	17:40	89	2	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013.5	10.0				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	6.45	32.92	50	5.79	32.90
10	5.90	32.92	75	5.81	32.95
20	5.78	32.83	84	5.93	32.95
30	5.82	32.86			

4 월 (April)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	12	04:45	22			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1005.7	6.8				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	7.14	32.02	17	7.17	32.01
10	7.20	32.01			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	12	06:20	42			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	3	1006.6	6.3				F
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	6.51	32.15	30	6.32	32.13		
10	6.40	32.16	37	6.37	32.15		
20	6.38	32.18					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	12	08:00	50	4	8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	2	1006.7	6.8				F
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	6.46	32.19	30	6.23	32.21		
10	6.18	32.25	45	6.22	-		
20	6.22	32.21					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	09:40	53	3	12	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	2	1006.9	7.4		Ns	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	6.37	32.18	30	6.03	32.17		
10	6.12	32.22	48	6.08	32.25		
20	6.10	32.25					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	11:20	70	4	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1005.5	8.4		Ci	9	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.11		32.29	30	6.20		32.32
10	6.50		32.30	50	6.20		32.28
20	6.18		32.31	65	6.19		32.33

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	13:00	67	4	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	4	1004.7	7.7		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.20		32.34	30	6.10		32.35
10	7.06		32.33	50	6.27		-
20	6.21		32.35	62	6.15		32.34

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	14:40	70	4	8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1003.4	7.8		Ns	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.51		32.30	30	7.54		32.23
10	7.64		32.14	50	7.28		32.34
20	7.36		32.30	65	7.27		32.29

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	12	16:20	85	4	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1002.7	7.6		Ns	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.55	32.25	30	6.73	32.22		
10	7.59	32.26	50	6.60	32.28		
20	7.51	32.21	80	6.30	32.33		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	12	18:00	81	3	1	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1003.0	8.4		Ns	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.76	32.22	30	6.93	32.20		
10	7.71	32.15	50	6.62	32.23		
20	7.40	32.21	76	6.34	32.13		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	19:40	86			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1003.6	7.8		Ns	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.64	32.15	50	6.82	32.19		
10	7.79	32.05	75	6.56	32.14		
20	7.80		81	6.55	32.12		
30	7.32	32.09					

조사선 천마산 (Chun Ma San)

5 월 (May)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	11	18:20	22	4	5.3	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1008.5	15.9			0	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.07		32.54	17	10.55		33.36
10	10.73		32.90				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	11	20:00	34	3	5.8	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1009.5	11.7			0	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	10.58		33.08	20	9.59		32.36
10	9.62		32.54	30	9.49		32.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	11	21:40	50			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1010.2	11.2			0	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.49		32.72	30	8.37		32.72
10	10.05		32.98	45	8.19		33.08
20	8.41		32.90				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	11	23:20	57			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1010.6	11.5			0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.22	32.72	30	7.41	33.44		
10	8.57	32.78	52	7.41	32.90		
20	7.74	32.72					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	01:00	65			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1011.0	12.4			0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	12.31	32.90	30	7.13	32.90		
10	12.27	32.72	50	6.85	32.90		
20	8.11	33.08	60	6.91	32.54		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	02:40	70			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1011.0	11.4			0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	12.46	32.90	30	6.82	32.90		
10	12.56	32.90	50	7.19	32.90		
20	6.87	33.26	65	7.19	33.08		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	04:20	74			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1010.0	11.6				B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.99	32.80	30	9.45	33.08
10	9.16	32.80	50	6.48	32.72
20	9.62	33.52	70	6.48	33.33

6 월 (June)

조사선 천마산 (Chun Ma Sa.)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	12	07:50	29	6	8	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	997.4	16.0				F

Z m	T ℃	S ‰	Z m	T ℃	S ‰
0	16.21	33.26	20	15.86	33.17
10	15.94	33.26	24	15.94	33.18

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	12	09:30	46	3	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSW	3	997.7	19.0			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	17.02	33.57	30	13.95	33.38		
10	15.39	33.41	35	13.60	33.35		
20	14.03	33.39					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	12	11:10	54	3	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	998.0	19.2			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.26		33.42	30	10.84		33.52
10	11.90		33.57	50	10.73		33.51
20	10.93		33.52				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	12:50	58	3	17	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	3	998.1	20.7		As	3	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.94		33.35	30	8.88		33.51
10	16.24		33.54	53	8.60		33.48
20	9.06		33.53				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	14:30	70	4	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	3	997.9	20.6		Ac	4	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.04		33.39	30	7.97		33.51
10	16.39		33.39	50	7.98		33.50
20	8.35		33.52	65	7.94		33.52

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	16:10	64	3	17	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	3	997.3	20.5			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	18.65	33.35	30	7.16	33.51		
10	17.23	33.35	50	7.15	33.49		
20	14.16	33.44	60	7.12	33.50		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	17:50	68	3	19	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	997.3	19.8			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	18.56	33.29	30	6.99	33.44		
10	16.53	33.28	50	6.99	33.45		
20	13.00	33.38	75	6.91	33.45		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	12	19:30	80			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	998.2	20.0		Ci	1	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.07	33.24	30	7.21	33.39		
10	16.86	33.25	50	6.63	33.45		
20	13.59	33.31	75	6.74	33.47		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	12	21:10	82			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	999.2	19.5				
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	19.02	33.21	30	8.95	33.36		
10	16.67	33.23	50	6.94	33.35		
20	14.07	33.29	77	6.69	33.36		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	12	22:50	87			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1000.0	19.3				
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	18.48	33.14	50	6.96	33.36		
10	16.36	33.18	75	6.81	33.38		
20	12.00	33.26	82	6.80	33.38		
30	8.92	33.33					

8월 (August)

조사선 안라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	16	17:00	29	3	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1010.0	27.0		Ac	5	Bc
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	25.99	32.01	20	23.43	32.46		
10	24.71	32.38	24	23.32	32.50		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	16	18:35	46	3	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1010.4	27.1		Ac	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.51		32.59	30	21.36		32.72
10	25.61		32.57	41	20.63		32.72
20	24.90		32.61				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	16	20:10	54			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1010.0	26.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.38		32.59	30	19.54		32.91
10	27.10		32.59	50	18.41		33.01
20	24.80		32.68				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	21:45	58			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1010.1	26.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.01		-	30	24.82		33.10
10	27.50		32.67	50	15.22		33.24
20	26.61		32.97	53	15.28		33.25

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	11:15	69	2	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1005.0	27.4		As	9	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.45		32.73	30	24.79		33.16
10	27.22		32.68	50	14.50		33.25
20	25.33		32.94	64	14.48		33.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	12:55	68	2	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1005.0	27.5		Ns	10	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.60		32.54	30	24.80		33.22
10	27.69		32.54	50	11.61		33.22
20	26.02		33.04	63	11.07		33.15

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	14:30	67	4	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1005.0	25.7		Ns	10	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.33		31.12	30	24.82		33.10
10	27.51		32.50	50	9.98		33.10
20	26.08		32.64	62	9.81		33.10

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	16:10	82	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1005.0	27.8		Ac	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.57		32.07	30	23.64		33.01
10	27.44		32.31	50	11.87		32.99
20	23.82		32.73	77	9.26		33.11

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	18	17:45	82	3	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1005.0	27.8		Ac	7	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.66		32.39	30	23.17		33.08
10	27.69		32.34	50	11.01		33.26
20	23.70		32.62	77	8.14		33.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	19:25	87			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1005.0	27.3		Ac	5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.72		32.39	30	21.82		33.10
10	27.83		32.30	50	11.23		33.11
20	22.13		32.63	82	8.36		-

10 월 (October)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	14	07:20	27	6	6	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	3	1025.7	16.2		Cl	3	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.48	32.26	20	19.11	32.34		
10	19.34	32.29	22	19.26	32.34		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	14	08:55	45	5	7	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ESE	3	1025.5	16.8		Cl	4	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.80	32.25	30	19.22	32.35		
10	19.66	32.24	40	19.11	32.36		
20	19.22	32.35					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	10:35	50	5	10	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1025.2	18.3		Cl	4	Bc
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.14	32.21	30	17.80	32.47		
10	19.83	32.23	45	17.60	32.51		
20	19.72	32.27					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	12:15	57	4	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1025.0	18.8		Ci	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.10		32.20	30	16.03		32.56
10	20.10		32.18	52	14.10		32.67
20	19.75		32.24				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	14	13:55	68	4	16	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1024.3	19.1		Ci	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.75		32.12	30	14.75		32.60
10	20.41		32.10	50	12.80		32.72
20	20.11		32.20	63	12.79		32.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	15:40	64	3	21	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1023.6	19.8		Ci	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.69		31.98	30	21.60		31.97
10	21.64		31.92	50	12.17		32.69
20	21.65		31.93	60	11.66		32.74

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	17:25	65	3	18	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1022.7	18.5		Ci	1	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.79	31.96	30	21.65	31.90		
10	21.64	31.90	50	11.25	32.68		
20	21.53	31.91	60	10.10	32.73		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	14	19:10	76			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1022.1	17.4				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	21.86	31.93	30	21.52	31.96
10	21.73	31.91	50	10.13	32.64
20	21.70	31.93	71	8.70	32.71

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	20:55	80			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1021.8	17.7				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	21.73	31.99	30	20.86	32.01		
10	21.68	31.94	50	9.21	32.70		
20	21.66	31.93	75	8.51	32.76		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	22:40	86			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1021.2	18.0				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	21.81		31.97	50	10.07		32.61
10	21.74		31.93	75	9.41		32.68
20	21.71		31.95	81	9.20		32.73
30	21.05		32.00				

12 월 (December)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
01	9	07:50	22	7	4	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1022.7	12.3			8	C
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.22		32.35	20	12.27		32.51
10	12.28		32.37	17	12.21		32.69

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	9	09:25	44	6	6	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1023.2	12.9			9	C
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	12.64		32.49	30	12.40		32.71
10	12.54		32.60	40	12.34		32.75
20	12.53		32.60				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	9	11:00	52	6	6	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1023.0	13.5			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.00		32.39	30	12.82		32.62
10	12.90		32.42	49	12.80		32.77
20	13.00		32.49				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	9	12:40	57	5	7	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1021.3	12.8			10	F
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.84		32.49	30	12.56		32.75
10	12.71		32.48	52	12.48		32.73
20	12.62		32.64				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	9	14:20	68	5	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1021.6	13.0			9	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.45		32.48	30	12.17		32.64
10	12.24		32.46	50	12.08		32.80
20	12.20		32.71	63	12.10		32.71

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	9	16:05	65	4	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1021.9	12.7			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.36		32.62	30	12.18		33.00
10	12.08		32.69	50	11.97		33.11
20	12.10		32.96	60	11.94		33.07

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	9	17:50	68			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1022.2	12.5			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.00		32.49	30	11.65		32.77
10	11.80		32.48	50	10.61		32.75
20	11.71		32.48	63	10.58		32.84

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	9	19:35	80			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1022.2	12.2				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.70		32.51	30	11.02		32.77
10	11.56		32.60	50	9.58		32.77
20	11.38		32.71	75	9.50		32.77

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	9	21:20	81			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1021.2	10.5				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.60	32.51	30	10.92	32.67
10	11.05	32.51	50	8.98	32.77
20	11.00	32.62	76	8.70	32.77

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	9	23:05	86			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1021.0	10.3				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	11.83	32.51	50	9.23	32.77
10	11.37	32.51	75	9.08	32.77
20	11.24	32.62	81	9.10	32.82
30	10.86	32.67			

310 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 310

2 월 (February)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	24	12:20	25	7	2	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1026.3	8.6	-	Ci	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	6.30		33.01	20	4.70		33.02
10	4.92		32.81	22	4.65		33.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	24	10:45	58	7	3.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1027.0	8.1	-	Ci	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	6.85		32.96	30	5.95		32.97
10	6.01		33.04	53	5.99		-
20	6.07		33.07				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	24	09:05	70	7	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WSW	5	1026.9	6.9	-	Ci	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	6.89		33.10	30	6.30		33.08
10	6.41		33.07	50	6.29		33.07
20	6.46		33.07	65	6.35		33.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	24	07:20	72	-	-	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1026.5	5.0	-	-	-	-
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.23	32.89	30	6.13	33.07		
10	6.19	33.07	50	6.08	33.07		
20	6.20	33.03	67	6.11	33.10		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	24	05:35	80	-	-	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1027.0	4.1	-	-	-	-
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.32	33.12	30	6.50	33.10		
10	6.59	33.05	50	6.50	33.11		
20	6.60	33.07	75	6.55	33.15		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	24	03:50	86	-	-	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1027.4	3.6				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.41	33.04	50	6.98	33.15		
10	7.11	33.12	75	6.96	33.16		
20	7.13	33.10	81	6.94	33.20		
30	7.01	33.14					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	24	02:05	92			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	4	1027.6	3.6				
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	7.57	33.13	50	7.31	33.18		
10	7.30	33.08	75	7.25	33.19		
20	7.27	33.12	87	7.20	33.22		
30	7.24	33.16					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	24	00:20	90			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1028.0	3.1				
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	7.69	33.16	50	7.40	33.24		
10	7.41	33.17	75	7.45	-		
20	7.44	33.19	85	7.47	33.26		
30	7.38	33.22					

3 월 (March)

조사선 천마산 (Chun ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	09:50	26	7	3	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1015.4	5.4		Sc	10	C
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	5.43	32.74	20	4.71	32.74		
10	4.95	32.74	23	4.76	32.56		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	08:10	64	8	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1015.4	5.1		Sc	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.45		32.47	30	5.29		32.74
10	5.44		32.38	60	5.28		32.77
20	5.37		32.50				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	06:30	65	7	3	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1015.1	4.8		Sc	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.47		32.47	30	5.82		33.28
10	5.89		32.94	50	5.86		32.92
20	5.83		32.95	60	5.81		32.83

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	04:50	70			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1015.0	5.4				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.19		33.19	30	5.95		32.76
10	6.11		32.81	50	5.84		32.65
20	6.01		32.83	65	5.92		32.85

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	03:10	73			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1015.0	6.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.39		32.96	30	5.98		33.26
10	6.07		32.99	50	5.88		33.63
20	6.12		32.99	68	5.94		33.35

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	01:30	85			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1014.5	7.6				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.09		32.74	50	5.99		32.38
10	6.09		32.94	75	6.05		32.29
20	5.95		33.19	80	5.89		32.29
30	6.07		32.95				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	23:50	86			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1014.0	8.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.25		32.68	50	5.92		32.99
10	6.08		32.65	75	5.97		32.97
20	5.96		32.65	81	5.88		32.97
30	6.04		32.97				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	22:10	87			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1014.0	8.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	6.29	32.72	50	6.02	32.83
10	6.12	32.74	75	6.05	32.88
20	5.98	32.77	82	5.90	32.94
30	6.09	32.68			

4 월 (April)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	14	11:40	29	9	1	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1005.8	12.5		As	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	7.98	32.17	20	7.52	32.09
10	7.84	32.18	24	7.54	32.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	14	13:20	63	6	4	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	5	1004.9	11.5		As	10	C
Z m	T C	S ‰	Z m	T C	S ‰		
0	7.72	32.29	30	6.50	32.19		
10	7.51	32.21	58	6.48	32.20		
20	6.70	32.28					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	17	14:30	70	4	9	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1014.3	10.6		Cs	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.64	32.29	30	6.94	32.17		
10	8.08	32.18	50	6.53	32.24		
20	7.80	32.25	65	6.58	32.29		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	16:10	74	3	13	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1013.6	11.4		Cs	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	8.80	32.08	30	6.64	32.34
10	8.02	32.28	50	6.76	32.34
20	6.74	31.98	70	6.62	32.22

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	17:50	82	3	13.5	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1012.8	9.8		Cs	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	9.06	32.02	30	7.08	32.27
10	8.34	31.87	50	6.66	32.25
20	8.30	32.21	77	6.69	32.11

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	19:30	86			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1003.3	8.8		Cs	10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	9.02	31.98	50	7.20	32.09		
10	8.46	32.01	75	7.18	32.24		
20	8.32	32.07	81	7.20	32.30		
30	7.33	32.05					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	21:10	87			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1003.2	8.5				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	8.84	32.09	50	7.18	-		
10	8.32	32.09	75	7.29	32.29		
20	8.30	32.03	82	7.38	32.32		
30	7.90	32.09					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	22:50	89			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1002.2	8.6				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	8.98	32.24	50	7.64	32.31		
10	8.57	32.06	75	7.75	32.42		
20	8.52	32.08	84	7.75	32.46		
30	8.00	32.17					

5 월 (May)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	01:30	28			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1013.7	13.0			0	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	13.15		33.26	20	11.22		33.26
10	11.67		33.08	25	10.78		32.72

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	23:50	64			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013.5	13.5			0	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.92		32.72	30	7.63		32.90
10	7.84		32.72	60	7.62		32.90
20	7.63		33.62				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	12	22:10	72			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013.1	14.4			0	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	13.21		33.62	30	7.35		32.72
10	13.10		32.90	50	7.41		32.90
20	7.49		33.08	67	7.21		32.90

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	12	20:30	73			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1012.9	14.7			0	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.41	33.80	30	7.12	32.98		
10	13.22	33.62	50	7.11	33.26		
20	11.18	32.90	68	7.10	32.70		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	12	18:50	80	3	8.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1012.3	20.1			0	B

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.41	32.54	50	6.96	33.08
10	12.13	33.62	75	6.92	32.90
20	8.44	32.90	78	6.72	32.54
30	7.01	33.08			

6 월 (June)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	13	15:00	28	6	3.5	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1000.2	22.3		ci	3	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	18.23	34.15	20	14.99	34.13
10	16.35	34.20	25	14.69	34.11

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	13:20	57	5	9	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2		1000.7	21.4		Cl	
Z m		T °C	S ‰	Z m		T °C	S ‰
0		17.99	33.80	30		11.42	33.90
10		13.33	34.03	52		10.43	33.79
20		11.83	33.95				

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St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	11:40	71	3	12	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1001.1	22.0		Cl	7	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	18.77	33.46	30	10.05	33.83
10	16.27	33.85	50	9.38	33.74
20	11.14	33.91	66	9.23	33.72

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	13	10:00	72	2	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WSW	3	1000.8	18.5		Cl	7	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
0	19.20	33.33	30	7.66	33.60
10	17.37	33.36	50	7.47	33.55
20	12.60	34.01	67	7.41	33.54

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	13	08:20	79	3	14	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1000.7	18.8		Sc	8	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	19.46	33.31	30	7.02	33.48		
10	17.50	33.34	50	7.00	33.46		
20	7.45	33.45	75	6.96	33.47		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	13	06:40	86	3	12	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	999.7	18.8		Cl	7	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	19.88	33.24	50	9.05	33.59		
10	16.97	33.35	75	8.50	33.57		
20	13.84	33.49	81	8.42	33.56		
30	11.72	33.63					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	13	05:00	91			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	999.2	19.0		Cl	5	BC
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	19.29	33.33	50	7.00	33.51		
10	16.70	33.35	75	7.14	-		
20	12.98	33.46	86	7.11	33.49		
30	9.09	33.48					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	13	03:20	88			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	998.8	19.1				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.20	33.41	50	8.24	33.53
10	16.37	33.47	75	7.68	33.59
20	12.12	33.51	83	7.50	33.63
30	9.30	33.47			

8 월 (August)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	19	11:05	27	4	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1010.6	26.7		Ns	10	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	28.67		32.46	20	25.81		32.56
10	27.95		—	25	18.23		33.00

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	09:30	58	4	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1003.5	27.6		Ns	10	R
Z m	T °C		S ‰	Z m	T °C		S ‰
0	28.49		32.73	30	16.54		33.14
10	27.65		32.49	53	15.80		-
20	24.85		32.70				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	07:50	71	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1001.8	26.8		Ns	9	R

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	27.95	32.44	30	21.59	32.90
10	27.38	32.44	50	14.23	33.19
20	23.50	32.58	66	14.10	33.24

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	06:15	73			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1000.5	27.8				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	28.62	32.17	30	21.85	33.12
10	27.95	32.25	50	17.04	32.22
20	23.37	32.77	68	14.19	33.12

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	19	04:45	82			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1001.4	27.7				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	28.84	31.86	30	21.84	33.08		
10	28.21	32.10	50	17.95	33.25		
20	23.19	32.60	77	12.83	33.17		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	19	03:00	86			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1005.0	27.2				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	28.22	32.22	50	17.59	33.07		
10	28.14	32.48	75	11.40	33.11		
20	24.30	32.60	81	10.40	33.17		
30	21.14	32.68					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	01:20	92			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1005.5	26.8				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	28.15	32.30	50	17.10	32.87		
10	28.05	32.30	75	10.40	32.95		
20	23.40	32.69	87	8.83	33.14		
30	21.03	32.79					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	23:45	90			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1004.0	26.5				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	28.34	32.38	50	16.87	32.87		
10	28.20	32.41	75	10.55	32.89		
20	23.47	32.32	85	8.98	33.25		
30	21.68	32.73					

10 월 (October)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	15	15:20	26	4	7	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	6	1018.3	18.3		Sc	6	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	19.22	32.24	20	17.37	32.38
10	18.43	32.31	23	17.22	32.39

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	13:40	58	4	12	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	6	1018.2	19.9		Cu	3	BC

Z m	T °C	S ‰	Z m	T °C	S ‰
00	20.07	32.22	30	14.75	32.59
10	19.94	32.23	53	14.54	32.61
20	19.63	32.24			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	11:55	70	4	15	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1018.7	19.6		Cu	6	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.54	32.25	30	15.94	32.49
10	20.24	32.20	50	13.48	32.66
20	20.25	32.21	65	13.39	32.67

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	10:10	73	3	13	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1019.0	21.5		Cu	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.47		32.15	30	20.06		32.23
10	21.21		32.07	50	12.15		32.69
20	21.08		32.10	68	11.92		32.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	08:25	76	4	20	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	4	1018.6	19.5		Cu	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.98		32.11	30	20.90		32.14
10	20.89		32.11	50	14.06		32.63
20	20.87		32.11	71	10.60		32.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	06:40	85			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	4	1018.6	18.8		Sc	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.25		32.07	50	14.64		32.52
10	21.18		32.06	75	11.02		32.71
20	20.91		32.10	80	10.11		32.76
30	20.72		32.16				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	15	04:55	88			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.0	18.3				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	21.31		32.10	50	14.12		32.59
10	21.24		32.07	75	10.30		32.69
20	20.98		32.08	83	9.25		32.73
30	20.55		32.18				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	15	03:10	90			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.6	17.8				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	21.44		32.01	50	12.68		32.62
10	21.30		32.04	75	9.70		32.74
20	21.12		32.06	85	9.13		-
30	20.86		32.11				

12 월 (December) 조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	10	15:45	25	7	1.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1025.0	7.5			8	0
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.90		32.48	20	11.30		32.67
10	11.28		32.58	22	11.30		32.66

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	10	14:05	54	6	3	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1023.7	8.1			7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.68		32.51	30	11.65		32.71
10	12.70		32.60	50	11.25		32.78
20	11.97		32.62				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	10	12:20	70	5	4.5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1024.0	9.0			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.87		32.53	30	12.80		32.69
10	12.80		32.57	50	12.72		32.77
20	12.93		32.53	65	12.79		32.78

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	10	10:35	72	5	6	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1024.3	9.7			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.60		32.57	30	12.49		32.84
10	12.50		32.69	50	12.42		32.84
20	12.50		32.69	67	12.47		32.91

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	10	08:50	82	5	8	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1023.6	9.9			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.40		32.60	30	11.96		32.69
10	12.32		32.58	50	11.62		32.84
20	12.23		32.66	77	11.44		33.05

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	10	07:05	86			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1022.0	9.7			10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.26		32.53	50	11.10		32.77
10	12.20		32.53	75	10.85		32.75
20	12.08		32.53	81	10.80		32.75
30	11.88		32.66				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	9	05:20	87			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1021.7	10.0				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.41	32.55	50	11.23	32.78
10	12.01	32.55	75	10.08	32.78
20	11.91	32.58	82	9.90	32.87
30	11.60	32.66			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	10	03:35	89			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1021.3	10.2				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	12.10	32.51	50	11.00	32.66
10	12.05	32.55	75	9.50	32.75
20	12.00	32.51	84	9.38	32.86
30	11.90	32.60			

311 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 311

2월 (February)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	24	17:25	34	8	1.8	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	4	1024.6	12.1			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	5.66	32.97	20	4.00	32.89		
10	4.20	32.94	30	3.99	32.95		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	24	19:00	75	7	2.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	4	1024.6	8.7		As	2	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	6.14	33.07	30	6.09	33.10		
10	6.13	33.07	50	6.12	33.13		
20	6.10	32.94	70	6.23	33.09		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	24	20:40	85			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
WNW	5	1025.5	7.4				
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	6.51	32.93	50	6.28	33.10		
10	7.22	33.04	75	6.28	33.07		
20	6.40	33.07	80	6.28	33.09		
30	6.35	33.04					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	24	23:10	90			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1026.1	6.1				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	8.36	33.13	50	7.50	33.13		
10	7.82	33.14	75	7.56	33.26		
20	7.30	33.15	85	7.75	-		
30	7.38	33.15					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	25	00:55	95			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1026.8	5.4				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	8.07	33.18	50	7.41	33.19		
10	7.55	33.16	75	8.30	33.52		
20	7.24	33.09	87	8.74	33.69		
30	7.28	32.96					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	25	02:40	82			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1027.3	5.0				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	8.23	33.22	50	7.92	33.29		
10	7.85	33.24	75	8.51	33.59		
20	7.71	33.17	77	9.08	34.00		
30	7.69	33.19					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	25	04:25	34			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	6	1027.3	4.8				
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	8.50	33.26	50	8.15	33.41		
10	8.11	33.25	75	8.63	33.67		
20	7.84	33.22	80	8.95	33.91		
30	7.89	33.24					

3 월 (March)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	15:10	33	7	3.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1014.0	7.0		Sc	10	C
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	6.32	33.01	20	5.62	33.64		
10	5.65	33.01	28	5.54	33.22		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	16:50	75	8	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1014.0	7.9		Sc	8	B
Z	T	S	Z	T	S		
m	℃	‰	m	℃	‰		
0	6.03	32.56	30	6.32	33.04		
10	6.21	32.99	50	6.19	32.99		
20	6.25	33.55	70	6.02	32.90		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	20	07:10	77	8	4	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1018.1	5.7		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.05		33.27	30	6.54		33.28
10	6.03		33.17	50	6.39		32.97
20	6.49		33.11	75	6.03		33.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	20	09:40	89	5	6	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1018.5	6.2		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	6.88		32.92	50	7.01		32.81
10	6.97		32.47	75	6.94		32.92
20	7.01		32.72	84	7.38		33.01
30	6.88		33.02				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	20	11:20	90	5	6.5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1017.5	6.8		As	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.19		32.63	50	7.36		32.16
10	7.11		32.63	75	7.29		32.86
20	7.09		32.85	85	8.08		32.92
30	7.19		32.88				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	20	13:00	89	5	6	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1016.0	8.0		As	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	7.28	32.94	50	7.41	33.03		
10	7.20	32.94	75	7.34	33.06		
20	7.16	32.94	84	7.42	33.06		
30	7.25	32.97					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	20	14:40	84	5	5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1013.8	8.0		As	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	7.24	32.90	30	7.16	32.77		
10	7.15	32.99	50	7.12	32.92		
20	7.10	32.81	80	7.20	32.95		

4 월 (April)

조사선 천가산 (Chun Ma Sa)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	15:10	38	4	2.5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1007.8	13.7		Cu	1	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.80	32.29	20	7.59	32.22		
10	8.16	32.25	33	7.12	32.26		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	13:30	72	6	3	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	2	1008.2	13.1		Cl	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	8.49		32.32	30	7.96		32.34
10	8.04		32.41	50	7.73		32.39
20	7.91		32.33	67	7.75		32.39

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	11:40	79	5	6	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1009.1	13.1		Cl	6	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	8.81		32.39	30	8.06		32.39
10	8.60		32.29	50	7.41		32.47
20	8.15		32.36	74	7.40		32.44

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	09:10	85	5	5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1008.4	11.3		Sc	6	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
3	8.79		32.66	30	8.47		32.81
10	8.68		32.56	50	7.93		32.81
20	8.60		32.78	80	8.00		33.23

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	18	07:30	88	3	11	1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	1	1008.7	10.7		Sc	9	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.19	32.45	50	7.38	32.56		
10	8.97	32.39	75	8.17	32.95		
20	8.90	32.42	83	8.66	33.17		
30	8.22	32.41					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	18	05:50	84			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	3	1008.7	10.0		Sc	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.35	32.53	30	8.64	32.55		
10	9.07	32.51	50	7.93	32.63		
20	9.08	32.52	80	8.42			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	18	04:10	92			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1008.5	9.8				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.30	32.48	30	8.40	32.46		
10	9.12	32.41	50	7.60	32.56		
20	8.99	32.39	77	8.22	32.78		

5 월 (May)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	06:50	38	6	2.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013.0	14.0		Cl	1	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.81		33.26	30	9.83		33.08
10	10.98		33.72	35	9.88		33.62
20	10.15		33.62				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	08:30	75	6	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1013.5	14.5		Cl	2	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	10.21		33.26	30	8.64		33.80
10	8.88		32.90	50	9.13		33.08
20	8.61		33.62	70	9.88		32.90

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	07:10	86	5	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1015.5	13.8		Cl	1	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	10.23		32.90	50	9.24		32.26
10	9.48		32.54	75	9.25		32.54
20	9.53		32.90	81	9.27		32.72
30	9.38		32.72				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	10:00	87	3	9	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1015.0	19.1		Cl	1	B
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	11.59		33.08	50	9.39		33.08
10	9.45		33.26	75	9.41		33.36
20	9.45		32.99	82	9.50		33.44
30	9.31		33.08				

6 월 (June)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	13	20:20	32			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	4	1001.5	17.9				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	16.44		34.18	20	14.16		34.40
10	14.26		34.36	27	14.03		34.40

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	13	22:00	72			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1002.5	17.6				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	16.40		34.17	30	13.34		34.38
10	15.42		34.17	50	12.94		34.33
20	13.34		34.35	67	12.53		34.32

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	14	09:10	79	3	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1003.7	19.1		Cl	2	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	16.59	34.08	30	13.01	34.18		
10	16.18	34.08	50	11.93	34.24		
20	13.51	34.07	74	11.66	34.26		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	14	11:40	90	3	12	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1003.3	18.9		Cl	4	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	17.94	33.99	50	10.90	34.43		
10	17.90	33.92	75	10.24	34.50		
20	14.24	34.12	85	10.23	34.50		
30	11.92	34.29					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	14	13:20	92	2	13	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1003.5	19.5		Ac	5	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	18.83	33.77	50	9.75	34.17		
10	18.20	33.83	75	7.86	34.29		
20	15.19	33.92	87	7.79	34.44		
30	12.59	34.03					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	15:00	83	2	14	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1002.0	21.0		Ac	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.02		33.67	30	12.45		34.08
10	18.81		33.77	50	8.86		-
20	15.98		34.00	78	8.12		34.34

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	16:40	83	2	15	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1001.7	21.2		Ac	6	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.90		33.72	30	10.23		33.98
10	17.70		33.67	50	8.73		34.19
20	13.71		33.90	78	8.41		34.32

8 월 (August)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	16:10	34	4	11	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1009.5	27.0		Ns	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.25		32.55	20	21.15		32.78
10	24.95		32.55	30	20.51		32.85

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	17:45	75	3	13	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1005.5	26.8		Ns	9	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.30	32.42	30	19.99	32.70		
10	24.85	32.43	50	19.17	32.85		
20	22.71	32.56	70	17.14	33.00		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	22	06:05	90	4	7	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1010.5	24.4		Ac	3	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	25.33	32.16	50	20.49	32.66		
10	25.17	32.26	75	18.02	32.84		
20	24.80	32.57	85	14.70	33.08		
30	21.97	32.58					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	22	08:25	91	3	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1005.4	26.3		Ac	/	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	25.92	31.80	50	15.14	33.16		
10	25.82	31.80	75	9.75	33.24		
20	24.10	32.08	86	9.75	33.26		
30	22.55	32.32					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	22	10:05	94	3	12	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1005.0	26.5		As	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.54		31.12	50	9.33		33.16
10	27.21		30.91	75	9.22		33.22
20	25.08		30.91	90	9.80		33.28
30	24.88		31.96				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	22	11:40	89	3	13	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1008.0	26.7		As	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.81		31.42	50	13.68		32.59
10	27.75		31.43	75	9.20		33.17
20	24.90		32.21	84	9.01		33.35
30	20.88		32.51				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	22	13:20	84	2	14	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1006.5	26.2		As	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.97		31.40	50	12.95		32.86
10	28.05		32.11	75	9.10		33.24
20	23.45		32.37	80	9.12		33.32
30	18.93		32.62				

10 월 (October)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	20:30	34			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1021.0	18.0				
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	19.50		32.23	20		18.75	32.29
10	19.30		32.24	30		16.05	32.50

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	22:05	75			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	6	1021.5	16.0				
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	20.61		31.93	30		17.00	32.42
10	18.81		32.26	50		16.15	32.58
20	17.95		32.32	70		15.46	32.60

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	17	06:35	88			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.4	16.6		Sc	5	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	18.92		32.20	50		15.72	32.60
10	18.10		32.28	75		14.99	32.69
20	16.70		32.44	83		14.90	32.71
30	16.31		32.52				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	17	09:05	90	3	21	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1025.7	18.1		Sc	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.70		32.01	50	17.89		32.35
10	21.50		31.98	75	10.61		33.06
20	21.19		32.07	85	10.56		33.11
30	19.80		32.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	10:50	92	3	17	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ENE	2	1025.3	19.2		Sc	6	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.76		32.05	50	18.05		32.26
10	21.53		32.00	75	10.29		32.99
20	21.30		32.06	87	9.70		33.05
30	20.17		32.07				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	12:35	88	3	15	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1024.9	18.8		Sc	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.64		32.00	50	17.92		32.36
10	21.47		32.03	75	9.93		33.13
20	21.18		32.08	83	9.43		33.17
30	20.01		32.15				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	14:20	83	3	16	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ENE	3	1023.7	19.8		Cl	4	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	21.81		32.03	30		18.80	32.23
10	21.60		32.01	50		16.07	32.52
20	21.35		32.04	88		8.96	32.97

12 월 (December)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	16	13:30	34	7	1.3	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1024.0	11.0			7	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	11.60		32.48	20		11.38	32.58
10	11.27		32.55	30		11.55	32.71

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	16	15:05	75	7	2	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1022.9	11.4			3	BC
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	12.60		33.00	30		12.40	33.13
10	12.47		32.91	50		12.37	33.09
20	12.43		32.98	70		12.35	33.11

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	21	13:50	88	6	2.2	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1030.4	5.7			10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.62	32.93	50	11.76	33.14		
10	11.47	32.98	75	11.70	33.29		
20	11.71	32.98	83	11.74	33.29		
30	11.78	33.09					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	21	16:20	85	6	2.5	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1030.3	6.2			10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.34	33.02	50	11.88	33.40		
10	11.64	33.02	75	11.90	33.41		
20	11.74	33.04	80	11.90	33.54		
30	11.85	33.25					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	21	18:05	88			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	5	1030.1	6.5			10	C
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.07	32.67	50	11.46	32.87		
10	11.41	32.78	75	11.24	33.07		
20	11.53	32.78	83	11.10	33.07		
30	11.50	32.84					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	21	19:50	84			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1030.4	6.4				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	10.87		33.00	30	11.25		33.00
10	11.18		33.00	50	11.18		33.14
20	11.29		33.00	80	10.99		33.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	21	21:35	82			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	1029.9	6.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	10.93		32.84	30	11.34		33.02
10	11.26		33.87	50	11.30		33.05
20	11.25		32.87	77	10.80		33.13

312 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE 312

2 월 (February)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	25	23:20	72			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1032.1	3.7				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	7.66		33.56	30	6.89		33.56
10	7.03		33.45	50	6.73		33.49
20	6.95		33.56	67	6.89		33.54

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	25	21:40	82			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	5	1032.8	3.5				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	8.76		33.80	30	7.82		33.70
10	7.99		33.72	50	7.99		33.75
20	7.84		33.61	77	8.24		33.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	25	20:00	65			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	5	1032.1	3.6				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	8.92		33.71	30	9.90		34.13
10	9.00		33.85	50	10.30		34.34
20	9.44		34.09	60	10.39		34.40

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	25	18:15	76			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	5	1031.5	3.8		Ci	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.70		34.67	30	12.00		34.76
10	11.62		34.70	50	11.96		34.80
20	11.80		34.72	71	11.90		34.80

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	25	16:25	100	6	3.5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	5	1030.7	4.6			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	9.09		33.94	50	10.48		34.24
10	9.00		33.87	75	10.53		33.92
20	8.94		33.77	95	10.51		34.24
30	9.50		34.06				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	25	14:05	90	5	5	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	5	1030.6	5.7		Cu	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	9.95		34.06	50	10.80		34.50
10	10.29		34.21	75	10.96		34.36
20	10.48		34.35	85	10.82		34.54
30	10.78		34.33				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	25	12:20	90	5	4	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	5	1031.0	6.0		Cu	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.24		33.20	50	9.99		34.22
10	7.18		33.18	75	10.19		34.33
20	7.17		33.33	85	10.60		34.37
30	8.51		33.78				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	25	10:40	85	5	4	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	6	1030.6	5.7		Cl	1	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	8.07		33.32	50	10.13		34.25
10	8.01		33.34	75	10.10		34.32
20	8.16		33.45	80	10.74		34.40
30	8.72		33.72				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	25	09:00	82	5	4	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NNW	6	1030.2	5.5			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	7.97		33.28	50	9.90		34.11
10	8.08		33.36	75	10.27		34.35
20	8.05		33.40	77	10.10		34.33
30	8.38		33.59				

3 월 (March)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	21	09:40	86	5	6	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1008.5	5.5		As	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	7.89	32.74	30	7.91	33.65		
10	7.31	32.65	50	7.84	33.19		
20	7.71	32.70	81	8.95	33.22		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	21	08:00	63	8	4	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1008.5	5.4		As	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	7.62	32.72	30	7.58	33.68		
10	7.92	32.65	50	6.55	33.67		
20	7.62	32.88	58	9.74	33.52		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	21	06:20	73	5	5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1009.0	5.2		As	8	C
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	6.72	32.94	30	7.31	33.37		
10	6.54	32.65	50	8.46	33.64		
20	6.60	33.06	78	9.72	33.66		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	21	04:40	97			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1010.5	6.5				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	5.81	33.37	50	7.71	33.37		
10	7.72	33.39	75	10.11	33.35		
20	6.73	33.51	92	10.74	33.19		
30	6.67	33.42					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	21	02:00	96			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1010.5	7.7				R
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	7.41	32.95	50	9.45	33.10		
10	7.53	32.65	75	9.31	33.19		
20	9.11	33.03	91	9.40	33.31		
30	9.41	33.09					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	21	00:20	92			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1011.0	8.0				R
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	10.03	33.46	50	10.76	33.50		
10	8.61	33.35	75	10.66	33.51		
20	8.85	33.55	87	10.75	33.55		
30	10.45	33.57					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	20	22:40	87			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1012.0	7.0				R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	10.05	33.17	50	10.80	33.35		
10	8.65	33.20	75	10.72	33.26		
20	8.91	33.24	82	10.81	33.51		
30	10.51	33.31					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	20	21:00	78			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1012.5	6.9				R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	10.08	32.95	30	10.54	33.17		
10	8.68	32.95	50	10.84	33.26		
20	8.93	33.08	73	10.92	33.35		

4월 (April)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
52	18	22:00	76			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	2	1008.9	11.2				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	11.24	33.20	30	10.99	33.48		
10	11.26	33.29	50	11.33	33.46		
20	10.99	33.38	71	11.30	33.87		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	23:40	83			1	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1008.2	11.2				
Z		T	S	Z		T	S
m		°C	‰	m		°C	‰
0		10.49	33.24	30		10.25	33.31
10		10.02	33.11	50		10.20	33.49
20		10.13	33.13	78		10.50	33.70

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	19	01:20	66			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
S	3	1008.0	11.5				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.94	32.97	30	9.53	33.07
10	10.58	33.09	50	9.93	33.41
20	9.82	32.89	61	10.07	33.49

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	19	03:00	78			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1007.3	11.7				

Z m	T °C	S ‰	Z m	T °C	S ‰
0	10.98	33.12	30	10.39	32.93
10	10.10	33.06	50	10.82	33.72
20	9.78	32.99	73	10.83	33.73

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	19	04:40	102			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1006.2	11.2				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	10.70	33.01	50	10.79	33.56		
10	9.95	33.03	75	10.73	33.67		
20	9.85	33.94	97	10.72	33.71		
30	9.54	33.00					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	19	07:20	96	3	9	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1005.8	10.9		Cs	7	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	10.20	33.16	50	9.74	33.17		
10	9.62	33.05	75	10.00	33.51		
20	9.61	33.17	91	9.82	33.41		
30	9.62	33.07					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	19	09:00	85	3	10.5	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1007.3	13.0		Cc	4	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	9.85	32.81	30	10.04	33.08		
10	10.49	32.65	50	10.22	33.51		
20	9.65	32.86	80	10.33	33.69		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	19	10:40	93	3	8	3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1006.8	11.4		Ns	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.59	32.71	50	8.63	33.08
10	9.22	32.47	75	9.50	33.54
20	9.23	32.56	88	9.79	33.61
30	7.62	32.56			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	19	12:20	84	3	9	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1005.2	11.1		Sc	10	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	9.49	32.67	30	8.72	—
10	9.30	32.56	50	9.34	33.44
20	9.28	32.59	80	9.65	33.54

5 월 (May)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	15	09:50	75	3	7	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1014.0	18.2		Ac	/	BC

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	13.32	33.44	30	10.93	33.80
10	11.39	33.62	50	11.03	33.44
20	10.69	33.44	70	11.03	34.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	15	08:10	83	3	2	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1013.8	16.3		Ac	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.38		33.62	30	10.73		33.98
10	14.93		33.98	50	10.85		33.80
20	12.41		33.98	78	10.87		34.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	06:30	70	3	4	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1013.5	15.2		Cs	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.04		33.26	30	10.59		33.62
10	10.44		33.44	65	11.08		32.72
20	10.59		33.26				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	05:00	78			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1012.8	16.9		Cs	7	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.39		33.44	30	9.91		33.53
10	14.25		33.08	50	10.73		33.48
20	10.73		33.80	73	10.71		33.98

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	03:30	102			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1013.5	15.5				B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	14.48	33.44	50	10.22	33.98		
10	13.82	33.98	75	10.14	33.98		
20	13.05	33.62	97	10.60	33.98		
30	10.83	33.62					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	01:00	93			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	4	1013.6	18.0				B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	14.83	33.80	50	10.55	33.80		
10	12.05	33.62	75	9.34	33.62		
20	12.07	34.34	88	9.64	33.80		
30	11.79	33.80					

6 월 (June)

조사선 천마산 (Chun Ma San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	15	12:20	75	4	8.5	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	5	1002.7	19.3		NS	10	R
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	18.35	33.86	30	13.90	34.18		
10	17.48	33.88	50	13.02	34.39		
20	14.95	34.08	70	11.67	34.51		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	15	10:40	86	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1002.3	19.6		Ns	10	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	19.91	33.39	50	14.83	34.39		
10	19.87	33.40	75	11.09	34.54		
20	15.33	34.02	81	11.00	34.47		
30	13.26	34.35					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	15	09:00	88	3	16	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ESE	5	1002.2	19.4		Ns	10	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.11	33.02	30	13.50	34.27		
10	20.10	32.91	50	11.04	34.53		
20	16.40	33.91	63	11.03	34.56		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	15	07:20	79	3	15	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1002.6	18.5		Ns	10	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.20	33.31	30	13.04	34.22		
10	20.18	33.21	50	10.80	34.55		
20	16.14	33.90	74	10.72	34.61		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	15	05:40	102			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1002.5	19.1		Ne	10	R
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	17.11	34.08	50	10.79	34.61		
10	17.13	34.05	75	10.70	34.63		
20	16.31	34.43	87	10.67	34.60		
30	11.93	34.48					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	15	03:00	92			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1002.3	19.3	.			

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.75	33.40	50	10.96	34.56
10	20.79	33.30	75	10.67	34.63
20	13.79	34.03	87	10.05	34.69
30	11.99	34.39			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	15	01:20	94			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1002.0	19.5				

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	20.88	33.26	50	10.40	34.49
10	18.23	33.23	75	10.02	34.56
20	14.45	33.88	90	9.57	34.60
30	12.114	34.28			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	14	23:40	85			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	1002.6	19.8				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.22		33.16	30	11.96		34.01
10	18.17		33.01	50	9.86		34.33
20	14.79		33.54	80	9.12		34.56

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	14	22:00	82			4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SSE	5	1002.8	20.2				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.00		33.06	30	12.22		34.18
10	17.91		33.04	50	9.94		34.44
20	15.05		33.68	77	8.95		34.51

8 월 (August)

조 사 선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	23	08:45	86			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	3	1015.5	25.8		Sc	9	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	25.35		32.12	30	14.71		33.28
10	23.01		32.37	50	13.36		33.46
20	18.05		-	81	13.32		33.46

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	23	06:05	73			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ENE	3	1011.8	24.2				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	21.46		32.95	30	16.53		33.22
10	21.03		32.92	50	12.08		33.48
20	20.12		32.92	68	11.82		33.48

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	23	04:30	84			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1013.8	24.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.33		32.84	30	16.94		33.10
20	19.64		32.98	50	12.56		33.45
30	17.55		33.10	80	10.88		33.55

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	23	02:50	93			3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1015.1	24.5				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	23.95		32.79	50	14.11		33.33
10	21.56		32.83	75	10.93		33.45
20	20.20		32.93	88	10.02		33.50
30	17.35		33.14				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	23	01:15	103			2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1013.3	25.0				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	24.54	32.34	50	18.12	33.04		
10	24.23	32.34	75	13.46	33.39		
20	22.90	32.55	98	10.02	33.46		
30	22.12	32.65					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	22	23:00	91			3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1014.6	25.8				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.20	31.13	50	14.21	33.30		
10	26.94	31.49	75	9.40	33.25		
20	25.27	31.75	86	9.17	33.42		
30	24.25	31.16					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	22	21:25	93			2	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1014.5	26.5				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.50	31.18	50	15.23	33.27		
10	27.34	31.18	75	9.05	33.63		
20	26.28	31.48	88	9.04	33.44		
30	25.98	31.82					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	22	19:45	86			3	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	4	1015.4	26.2		As	8	C
Z	T		S	Z	T		S
m	°C		‰	m	°C		‰
0	27.79		31.97	50	13.59		33.30
10	26.73		31.93	75	9.10		33.47
20	24.66		32.01	81	9.08		-
30	18.08		32.55				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	22	18:10	80	2	14	4	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	5	1015.7	25.5	.	As	8	C
Z	T		S	Z	T		S
m	°C		‰	m	°C		‰
0	27.83		31.91	50	14.05		33.22
10	26.80		32.05	75	9.12		-
20	24.75		32.01	77	9.02		33.49
30	16.75		32.65				

10월 (October)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	18	09:55	75	3	13	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1025.9	17.7		As	4	BC
Z	T		S	Z	T		S
m	°C		‰	m	°C		‰
0	20.58		32.64	30	21.22		33.50
10	20.69		32.85	50	13.16		33.26
20	20.75		32.96	70	12.95		33.26

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	18	08:10	72	3	10	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1025.4	14.8		Cl	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.48		32.77	30	15.76		32.84
10	19.92		32.65	50	13.94		33.06
20	17.77		32.75	67	13.82		33.09

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	18	06:25	68			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1025.3	14.4		Cl	3	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.22		32.42	30	19.30		32.39
10	20.22		32.40	50	16.35		32.65
20	20.14		32.42	63	12.70		33.21

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	18	04:40	88			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1025.1	14.7			3	2
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.37		32.63	50	16.97		32.78
10	20.45		32.70	75	11.90		33.39
20	20.74		32.89	83	11.26		33.49
30	20.56		32.96				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	18	02:55	102			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1024.8	15.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.18		32.37	50	15.76		32.68
10	18.20		32.38	75	11.09		33.22
20	17.43		32.55	97	10.70		33.38
30	17.26		32.58				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	18	00:35	92			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	1024.4	15.1				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.56		32.10	50	17.09		32.57
10	20.30		32.03	75	10.90		33.24
20	18.34		32.31	87	10.69		33.29
30	17.68		32.49				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	17	22:50	89			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1024.6	15.3				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.88		31.93	50	16.52		32.59
10	20.48		31.93	75	10.48		33.26
20	17.67		32.42	84	9.96		33.33
30	16.88		32.54				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	17	21:05	87			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1024.3	17.0				
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	21.10		32.07	50		15.77	32.70
10	20.81		32.10	75		10.84	33.18
20	18.50		32.28	82		9.59	33.29
30	17.47		32.50				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	17	19:20	80			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	3	1024.5	17.1				
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	21.25		32.00	30		15.72	32.57
10	20.95		32.05	50		12.89	32.74
20	18.39		32.26	75		9.74	33.37

12 월 (December)

조사선 한라산 (Han Ra San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
02	22	17:10	72	7	1	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1024.1	5.1			8	C
Z m	T ℃		S ‰	Z m		T ℃	S ‰
0	15.54		33.96	30		15.91	34.03
10	15.73		34.01	50		16.00	34.05
20	15.84		34.01	67		12.06	34.08

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
03	22	15:25	82	7	1.5	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1024.3	5.0			6	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.87		33.00	30	12.00		33.20
10	11.97		33.05	50	12.00		33.45
20	11.98		33.09	77	12.07		33.47

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
04	12	13:40	68	6	2	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ENE	3	1025.3	4.0	.		10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.74		32.96	30	12.09		32.95
10	12.30		32.96	50	12.06		33.09
20	11.30		32.93	63	12.00		33.16

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
05	22	11:55	76	5	3	2	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
ENE	3	1026.6	5.1			6	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.28		32.89	30	12.49		33.07
10	12.46		32.93	50	12.40		33.07
20	12.89		32.96	71	12.60		33.14

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
06	22	10:10	102	6	3	3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1027.2	4.4			10	C
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	12.16		33.02	50	12.94	33.32	
10	12.32		33.02	75	13.06	33.47	
20	12.65		33.16	97	13.05	33.49	
30	12.80		33.29				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
07	22	07:50	94			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	4	1027.0	3.6			10	C
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	11.80		32.91	50	12.05	33.18	
10	11.90		32.98	75	11.99	33.31	
20	12.05		33.09	90	12.07	33.34	
30	12.00		33.09				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
08	22	06:05	85			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	1027.2	3.0				
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	12.02		32.93	30	12.28	33.05	
10	12.14		32.96	50	12.15	33.20	
20	12.22		32.96	80	12.17	33.36	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
09	22	04:20	92			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	1027.8	3.2				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.75		32.93	50		12.37	33.16
10	12.11		32.91	75		12.11	33.22
20	12.30		32.96	87		11.96	33.43
30	12.46		33.09				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
10	22	02:35	84			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N	4	1028.2	3.5				
Z m	T °C		S ‰	Z m		T °C	S ‰
0	11.98		32.98	30		12.40	33.14
10	12.00		33.04	50		12.32	33.16
20	12.27		33.09	80		11.80	33.31

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제 3 편

한 일 공 동 해 양 관 측 성 적



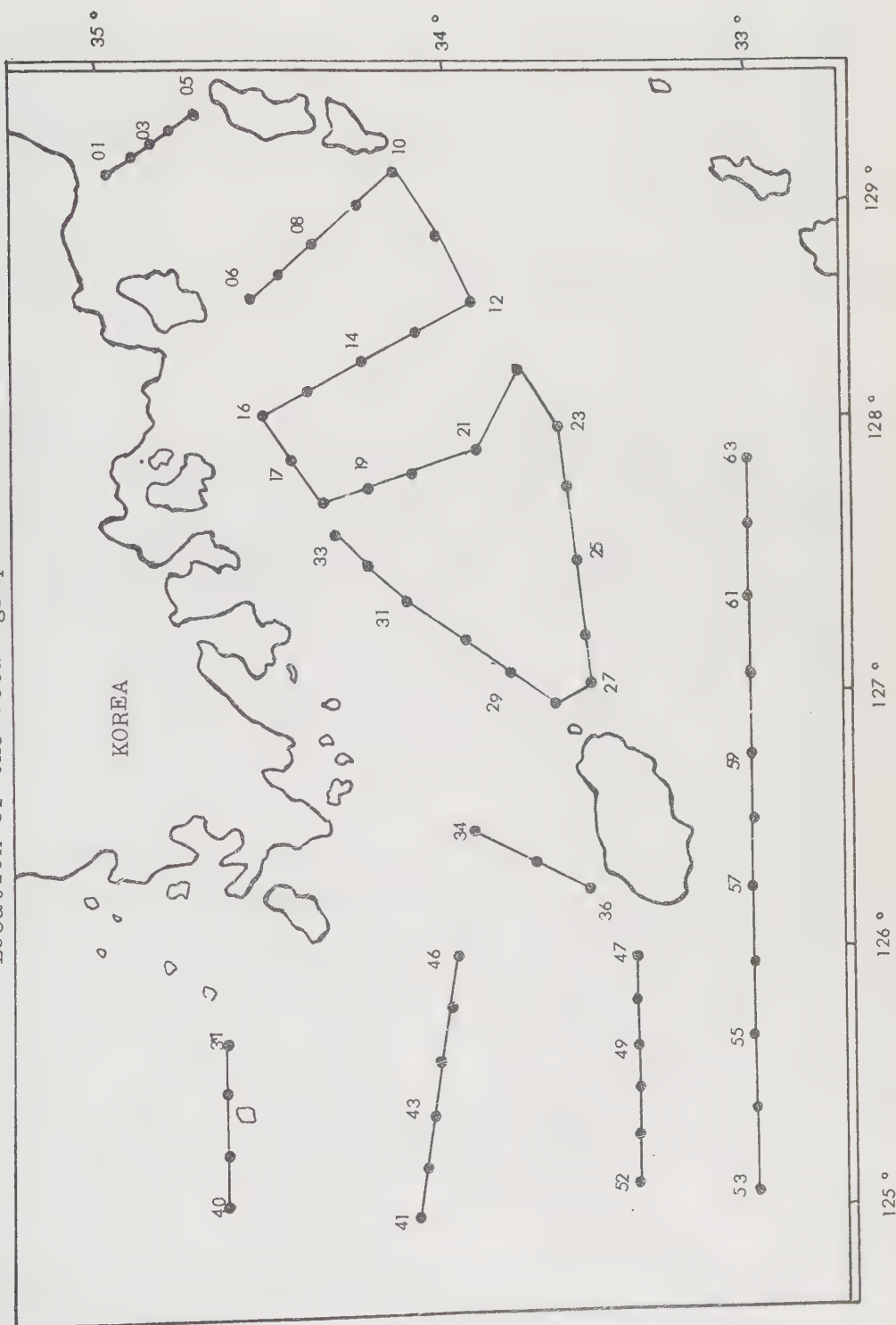
PART 3

KOREA - JAPAN COOPERATIVE OCEANOGRAPHIC DATA

1 9 7 8

한일 공동 해양관측점 위치도

Location of the Oceanographic Stations



한 일 공동 해양관측점 위치표

Position of the Oceanographic Stations

St.No.	Latitude	Longitude	St.No.	Latitude	Longitude	St.No.	Latitude	Longitude
01	35°01.3'N	129°07.2'E	22	33°44.3'N	128°23.9'E	43	34°02.6'N	125°30.0'E
02	34°57.6'	129°11.2'	23	33°37.3'	128°09.2'	44	34°01.3'	125°42.0'
03	34°53.9'	129°15.4'	24	33°35.6'	127°51.9'	45	33°59.8'	125°54.0'
04	34°50.2'	129°19.5'	25	33°33.6'	127°34.0'	46	33°58.5'	126°06.0'
05	34°48.0'	129°21.8'	26	33°31.7'	127°11.8'	47	33°24.4'	126°00.0'
06	34°35.5'	128°34.5'	27	33°30.3'	127°04.5'	48	33°24.4'	125°48.0'
07	34°29.6'	128°41.2'	28	33°35.8'	127°03.2'	49	33°24.4'	125°36.0'
08	34°22.4'	128°49.7'	29	33°45.5'	127°09.2'	50	33°24.4'	125°24.0'
09	34°15.3'	128°58.0'	30	33°54.1'	127°15.2'	51	33°24.4'	125°12.0'
10	34°08.1'	129°06.3'	31	34°06.7'	127°26.8'	52	33°24.4'	125°00.0'
11	33°58.3'	128°54.0'	32	34°13.7'	127°35.4'	53	33°00.0'	125°00.0'
12	33°51.7'	128°39.0'	33	34°20.8'	127°43.9'	54	33°00.0'	125°18.0'
13	34°04.6'	128°30.0'	34	33°56.6'	126°31.4'	55	33°00.0'	125°36.0'
14	34°13.5'	128°24.0'	35	33°47.5'	126°26.3'	56	33°00.0'	125°54.0'
15	34°22.2'	128°18.4'	36	33°38.3'	126°21.3'	57	33°00.0'	126°12.0'
16	34°31.0'	128°12.2'	37	34°43.0'	125°43.9'	58	33°00.0'	126°30.0'
17	34°27.0'	128°00.5'	38	34°43.0'	125°31.9'	59	33°00.0'	126°48.0'
18	34°22.3'	127°48.5'	39	34°43.0'	125°19.4'	60	33°00.0'	127°06.0'
19	34°15.0'	127°52.1'	40	34°43.0'	125°00.0'	61	33°00.0'	127°24.0'
20	34°05.5'	127°56.9'	41	34°05.5'	125°00.0'	62	33°00.0'	127°42.0'
21	33°51.5'	128°03.0'	42	34°04.1'	125°18.0'	63	33°00.0'	128°00.0'

한 일 선 해 양 관 측 성 적
OCEANOGRAPHIC DATA, LINE K-J

2 월 (February)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	14	03:00	100			NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1023.0	6.6			4	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	14.80	34.18	50	15.22	34.15		
10	14.66	34.14	75	15.26	34.16		
20	15.40	34.14	95	14.22	34.09		
30	15.23	34.14					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	14	04:40	100			NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1023.0	6.1	-		4	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	14.80	34.18	50	14.68	34.15		
10	14.23	34.13	75	14.50	34.09		
20	15.05	34.14	95	14.36	34.08		
30	14.74	34.11					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	14	01:00	80			NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1023.0				4	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	12.90	34.11	30	13.88	34.10		
10	13.81	34.12	50	13.30	34.09		
20	13.84	34.11	75	12.33	33.98		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	13	23:40	80			E 2	E 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1024.0	5.2			5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.50		34.11	30	13.72		34.09
10	13.72		34.13	50	13.36		34.07
20	13.85		34.10	75	12.87		33.99

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	13	22:30	58			E 2	E 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1024.0	5.1			5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.96		34.14	30	13.69		34.08
10	13.89		34.11	50	13.20		34.07
20	13.93		34.13				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
16	13	19:45	44			E 2	E 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1024.0	9.4		Cc	5	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.29		33.99	30	12.17		33.95
10	12.03		33.96	40	12.20		33.92
20	12.19		33.95				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
17	13	21:00	33			E 2	E 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
E	2	1024.0	4.9			5	Bc
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	11.25	33.89	20	11.41	33.89		
10	11.31	33.94	30	11.10	33.85		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
22	14	06:20	90			NW 2	NW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1023.0	6.3			4	Bc
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	15.00	34.11	50	14.69	-		
10	14.05	34.10	75	14.59	34.14		
20	14.70	34.12	85	14.65	34.11		
30	14.71	34.10					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
24	20	18:50	85				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
		1016.5	9.0				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	14.64	34.18	30	15.06	34.16		
10	15.53	34.17	50	15.09	34.19		
20	15.12	34.17	75	15.00	34.17		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
25	20	17:40	105			NW 3	NW 2
Wind		baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
N W	4	1016.5	8.6		Cc	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	13.30	34.19	50	15.06	34.18		
10	14.69	34.19	75	15.10	34.18		
20	14.96	34.19	100	15.09	34.18		
30	15.04	34.19					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
26	20	16:30	115	3		NW 3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1016.5	8.6		Cc	10	C

Z m	T °C	S ‰	Z m	T °C	S ‰
0	14.30	34.16	50	15.52	34.14
10	14.30	34.16	75	15.06	34.14
20	15.06	34.14	100	14.92	34.17
30	14.70	34.20			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
27	20	15:15	130	3	14	NW3	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1017.0	7.8		Cc	8	C

Z	T	S	Z	T	S
m	°C	‰	m	°C	‰
0	14.36	34.14	50	14.88	34.17
10	15.28	34.16	75	15.58	34.13
20	15.28	34.14	100	15.25	34.13
30	15.32	34.13	125	15.15	34.14

4월 (April)

조사선 태백산 (Tae Baek San

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	12	17:10	110			SW 2	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1005.0	15.5		As	4	Bc
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	15.69		34.18	50	15.44		34.19
10	15.65		34.18	75	15.40		34.18
20	15.61		33.83	100	15.28		34.21
30	15.49		34.20				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	12	18:45	90			SW 3	SW 3
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1005.0	15.9		Ns	10	C
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	15.86		34.21	50	15.60		34.20
10	15.98		34.22	75	15.34		34.16
20	15.74		34.25	85	15.26		34.18
30	15.47		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	12	15:10	80	4		SW 2	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1007.0	14.2		Ac	5	Bc
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	15.61		34.10	30	14.80		34.07
10	14.85		34.13	50	13.43		34.09
20	14.21		34.12	75	14.22		34.06

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	12	13:50	75	4		SW 2	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1007.3	15.3		Ci	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	14.84		34.09	30	12.66		33.96
10	14.50		34.14	50	12.18		33.93
20	14.46		34.09	70	11.48		33.82

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	12	12:50	50	4		SW 2	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1007.3	14.2		Ci	6	Bc

Z m	T °C	S ‰	Z m	T °C	S ‰
0	13.07	33.95	30	11.88	33.91
10	12.66	33.96	45	11.44	33.92
20	12.40	33.93			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
16	12	10:00	38	6		SW 2	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
direction	Force		Dry	Wet	Type	Amount	
SW	4		1008.5	14.3		Ac	
Z m		T °C	S ‰	Z m		T °C	S ‰
0		11.63	34.02	20		11.22	34.00
10		11.31	33.99	30		11.09	34.02

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
17	12	11:10	35	6		SW 2	SW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	3	1007.3	14.2		Ci	6	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	11.70		33.93	20	11.11		33.96
10	11.41		33.92	30	10.90		33.96

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
22	12	20:10	92			SW 3	SW 3
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1004.0	15.2	-	NS	10	Bc
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.35		34.12	50	13.60		34.06
10	15.29		34.11	75	13.40		34.05
20	14.71		34.12	91	13.32		34.06
30	14.02		34.08				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
24	17	17:15	85			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1014.0	16.2		Cs	10	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	16.17		34.22	50	15.95		34.22
10	16.01		34.22	75	15.91		34.22
20	16.00		34.22	90	15.90		34.23
30	15.96		34.22				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
25	17	15:45	90			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1015.0	15.8		Cs	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	16.00	34.24	50	16.05	34.22		
10	16.04	34.21	75	15.96	34.22		
20	16.03	34.22	85	15.65	34.21		
30	16.12	34.26					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
26	17	14.25	100			NE 2	NE 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1015.0	15.2		Cs	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	16.23	34.22	50	16.21	34.22		
10	16.24	34.22	75	16.03	34.23		
20	16.20	34.23	95	15.59	34.18		
30	16.29	34.22					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
27	17	13:05	128			NW 2	NW 2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1015.0	16.2		Cs	10	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	16.30	34.22	50	14.72	34.05		
10	15.79	34.25	75	14.62	33.99		
20	15.98	34.19	100	14.54	34.01		
30	15.47	34.11	120	14.20	34.02		

6월 (June)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	8	07:30	105	3	23	SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1013.5	23.0			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	20.20	33.60	50	14.32	33.51		
10	19.34	33.65	75	13.98	33.52		
20	18.29	33.73	100	13.92	33.69		
30	16.05	33.51					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	8	09:10	105	3	25	SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1014.0	25.2	-		0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	20.10	33.56	50	14.88	33.64		
10	19.91	33.66	75	14.36	33.65		
20	16.70	33.62	100	14.52	34.01		
30	15.80	33.72					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	8	05:30	80			SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1012.0	18.5			0	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	19.70	33.32	30	14.33	33.44		
10	18.48	33.35	50	14.44	33.66		
20	16.01	33.41	75	13.98	33.80		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	8	04:20	70			SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1011.0	21.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.98		33.50	30	14.11		33.36
10	19.80		33.50	50	13.21		33.54
20	18.26		33.43	65	13.70		33.76

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	8	03:00	55			SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1011.0	20.1				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	17.86		33.28	30	13.34		33.51
10	15.81		33.10	50	13.08		33.56
20	14.61		33.19				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
16	8	00:03	55			SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1010.0	19.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.82		33.65	30	16.48		33.66
10	18.11		33.67	50	14.91		33.51
20	17.04		33.71				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
17	8	01:40	30			SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1011.0	20.0				
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	18.44	33.50	20	16.19	33.53		
10	18.10	33.59	25	14.81	33.47		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
22	8	10:45	105	3	25	SW 1	0
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	1	1014.0	25.0	-		0	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	20.90	33.65	50	14.72	33.57		
10	20.15	33.76	75	14.83	33.78		
20	20.09	33.80	100	14.45	33.94		
30	16.48	33.67					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
24	12	15:50	110	4	19	SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	998.5	22.7		Cl	2	B
Z m	T °C	S ‰	Z m	T °C	S ‰		
0	21.41	33.07	50	16.58	33.79		
10	21.00	33.47	75	15.92	33.83		
20	19.50	33.65	100	15.38	33.81		
30	17.13	33.49					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
25	12	14:30	110	4	15	SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	998.0	24.0		Cl	2	B
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	20.84	33.09	50	15.69	33.74		
10	21.11	33.63	75	15.92	33.72		
20	19.29	33.69	100	14.04	33.52		
30	16.67	33.81					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
26	12	13:15	110	4	13	SW 3	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	999.0	23.2		Cl	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.91	33.06	50	15.19	33.67
10	20.49	33.06	75	13.26	33.44
20	18.69	33.30	100	14.03	33.90
30	16.82	33.88			

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
27	12	11:50	135	4	13	SW 2	SW 1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
W	3	1000.0	22.0		Cl	2	B

Z m	T °C	S ‰	Z m	T °C	S ‰
0	20.60	33.07	50	13.90	33.58
10	19.50	33.17	75	13.88	33.71
20	15.06	33.23	100	13.61	33.71
30	13.70	33.28	125	13.72	33.68

8월 (August)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	9	18:10	118	2	18	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1007.0	28.0		Ci	2	B
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	27.35	31.43	50	18.78	33.01		
10	26.19	31.65	75	14.05	33.59		
20	23.88	32.25	100	14.17	34.27		
30	23.44	32.55	115	14.49	34.44		

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	9	19:50	105			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1007.0	27.2	-	Ac	3	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	27.80	31.95	50	16.27	33.57		
10	27.28	33.38	75	16.13	34.10		
20	26.76	33.55	100	14.23	34.08		
30	26.71	-					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	9	15:50	93	3	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1006.5	28.1		Ac	3	Bc
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	27.18	31.72	50	17.73	33.18		
10	26.31	31.85	75	14.45	33.75		
20	25.23	32.29	90	14.28	34.31		
30	23.35	32.58					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	9	14:20	85	2	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1008.0	30.0		Ac	3	EC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.70		31.99	30	21.66		32.80
10	25.19		32.01	50	16.99		33.23
20	23.70		32.43	75	13.92		33.92

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	9	13:00	67	3	10	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1008.0	29.4		Ac	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.10		32.33	30	20.65		33.03
10	24.69		32.38	50	17.01		33.39
20	22.66		32.62	62	13.90		33.96

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
16	9	10:10	42	2	20	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1008.0	28.8		Ac	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.35		32.36	30	16.38		33.55
10	26.02		32.37	40	15.19		33.82
20	19.81		32.95				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
17	9	11:20	35	3	11	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	4	1008.0	29.3		Ac	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	26.38		32.38	20	22.58		32.73
10	25.65		32.43	30	18.30		33.30

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
22	9	21:40	103			5	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SW	5	1007.0	27.0				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.35		33.31	50	21.74		34.40
10	27.04		33.36	75	18.99		34.39
20	26.91		34.29	100	16.51		34.35
30	23.86		34.36				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
24	19	03:10	93			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	997.0	26.5				
Z m	T °C		S ‰	Z m	T °C		S ‰
0	27.90		33.08	50	24.20		34.00
10	27.84		33.47	75	21.73		34.40
20	27.11		33.81	90	20.11		34.41
30	26.47		33.63				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
25	19	04 20	89			5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	997.0	26.5				
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.60	30.98	50	21.15	33.86		
10	27.51	31.13	75	20.59	33.98		
20	25.60	31.65	85	18.04	34.18		
30	25.57	33.71					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
26	19	16:10	98	3	17	5	2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	6	997.0	26.3		Ac	6	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	27.50	31.06	50	20.46	33.78		
10	27.31	31.14	75	19.30	33.93		
20	25.05	33.10	95	17.25	34.32		
30	25.41	34.00					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
27	18	11:20	128	3	11	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
SE	5	999.5	27.5		Sc	4	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	26.56	32.07	50	17.58	33.57		
10	25.10	32.18	75	15.40	33.90		
20	23.32	32.79	100	14.35	33.92		
30	19.71	33.19	125	14.24	34.41		

10월 (October)

조사선 태백 산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	18	17:30	110	3	13	NW1	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1017.0	24.0		Ci	4	BC
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	22.72	34.06	50	19.87	34.14		
10	22.73	34.07	75	17.54	34.14		
20	22.63	34.02	100	15.70	34.56		
30	22.55	34.14					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	18	19:00	103				
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1017.0	18.3		Ci	4	BC
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	20.83	33.78	50	20.14	33.86		
10	20.87	33.71	75	15.32	34.11		
20	20.73	33.73	100	15.05	34.37		
30	20.87	33.78					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	18	15:00	90	3	21	NW1	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1017.5	21.0		Ci	4	BC
Z m	T ℃	S ‰	Z m	T ℃	S ‰		
0	22.49	33.95	50	20.67	34.01		
10	22.35	33.96	75	15.71	34.23		
20	22.07	33.88	85	15.17	34.27		
30	20.34	33.46					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	18	14:00	80	3	19	NW1	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1017.0	22.4		Cl	4	BC
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	21.56		34.06	30	21.29	33.75	
10	21.52		33.76	50	16.14	34.23	
20	21.40		33.73	75	15.63	34.42	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	18	12:30	65	4	12	NW1	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1018.0	22.8		Cl	4	BC
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	19.59		33.20	30	19.59	33.27	
10	19.62		33.23	50	15.40	33.39	
20	19.55		33.23	60	15.22	34.16	

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
16	18	09:35	40	4	12	NW1	
Wind		Baro.	Air Temp.		Clouds		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1018.5	19.6		Cl	4	BC
Z	T		S	Z	T	S	
m	°C		‰	m	°C	‰	
0	20.54		33.37	30	20.58	33.43	
10	20.62		33.39	35	20.54	33.46	
20	20.56		33.42				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
17	18	10:55	35	4	13	NW1	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	2	1018.5	20.0		Cl	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	20.35		33.20	20	20.42		33.31
10	20.37		33.21	30	20.43		33.38

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
22	18	21:15	100			NW1	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	1	1017.0	17.5		Cl	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	22.40		33.98	50	22.44		33.83
10	22.43		33.99	75	21.03		33.85
20	22.38		33.98	95	16.90		33.79
30	22.18		33.97				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
24	25	07:40	95			NE2	
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1021.0	20.0		Cs	3	C
Z m	T °C		S ‰	Z m	T °C		S ‰
0	23.21		34.15	50	23.14		34.10
10	23.23		34.12	75	22.93		34.07
20	23.23		34.10	90	19.91		34.28
30	23.26		34.10				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
25	25	06:20	93			NE2	NE1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1020.5	20.0		Cs	8	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	22.92	34.06	50	22.38	34.01		
10	23.03	34.09	75	18.82	34.39		
20	22.85	34.03	90	16.20	34.59		
30	22.61	34.06					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
26	25	05:00	100			NE1	NE2
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1090.0	20.4		Cs	6	BC
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	22.58	34.05	50	20.69	34.00		
10	22.61	34.01	75	18.50	34.60		
20	22.63	34.02	95	15.47	34.61		
30	21.28	34.00					

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
27	25	03:50	122			NE1	NE1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	3	1019.0	20.7		Cs	8	C
Z	T	S	Z	T	S		
m	°C	‰	m	°C	‰		
0	22.70	34.12	50	20.56	33.98		
10	22.68	34.04	75	19.39	34.00		
20	22.66	34.04	100	18.40	34.00		
30	21.36	34.06	115	16.56	34.57		

12월 (December)

조사선 태백산 (Tae Baek San)

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
11	15	17:30	118			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NE	2	1017.0	10.6		As	3	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	18.50		34.53	50	17.61		34.40
10	18.42		34.51	75	17.40		34.37
20	18.49		34.51	100	16.65		34.54
30	18.08		34.47	110	16.42		34.55

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
12	15	19:20	104			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.5	11.6				
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	19.30		34.62	50	19.21		34.53
10	19.19		34.57	75	18.92		34.54
20	19.32		34.59	100	16.50		34.47
30	19.25		34.57				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
13	15	15:20	93			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.0	11.9		Ac	7	BC
Z m	T ℃		S ‰	Z m	T ℃		S ‰
0	15.98		34.22	50	15.66		34.17
10	15.95		34.24	75	15.80		34.18
20	15.82		34.20	90	15.75		34.18
30	15.69		34.15				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
14	15	14:10	80			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.0	12.0		Cc	2	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.65		34.13	30	15.67		34.19
10	15.63		34.15	50	15.88		34.26
20	15.70		34.17	75	15.90		34.31

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
15	15	12:00	65			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.5	10.8			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	15.31		34.12	30	14.56		34.04
10	15.31		33.98	50	14.35		33.86
20	14.95		33.98	60	14.12		33.81

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
16	15	10:00	44			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.0	8.8			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	13.59		33.64	30	13.69		33.60
10	13.63		33.60	40	13.64		33.61
20	13.64		33.59				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
17	15	11:50	35			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1019.0	9.0			0	B
Z m	T °C		S ‰	Z m	T °C		S ‰
0	12.90		33.44	20	12.93		33.44
10	12.98		33.44	30	12.99		33.53

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
22	15	21:15	102			3	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	3	1017.5					
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.05		34.54	50	19.10		34.53
10	19.08		34.54	75	19.10		34.53
20	19.11		34.54	100	18.72		34.50
30	19.11		34.54				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
24	16	17:40	93			4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1018.0	11.8		Ns	4	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.35		34.69	50	19.28		34.50
10	19.38		34.58	75	19.20		34.51
20	19.35		34.56	90	19.03		34.51
30	19.35		34.78				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
25	16	16 20	95	2	19	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1018.0	12.7		Ac	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.39		34.57	50	19.18		34.54
10	19.39		34.56	75	19.10		34.50
20	19.41		34.55	90	19.05		34.49
30	19.30		34.54				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
26	16	14:40	110	2	19	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1018.0	11.9		Ac	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	19.30		34.57	50	19.11		34.51
10	19.39		34.57	75	19.09		34.50
20	19.30		34.57	100	16.20		34.53
30	19.30		34.54				

St. No.	Date	Time	Depth	Water Color	Water Trans.	Wave	Swell
27	16	13 20	120	2	18	4	1
Wind		Baro.	Air Temp.		Cloud		Weather
Direction	Force		Dry	Wet	Type	Amount	
NW	4	1018.0	12.4		Ac	5	BC
Z m	T °C		S ‰	Z m	T °C		S ‰
0	18.60		34.52	50	18.78		34.56
10	18.73		34.52	75	18.69		34.50
20	18.76		34.48	100	16.31		34.54
30	18.74		34.49	115	15.70		34.52

제 4 편

부 유 생 물 조 사 성 적



PART 4

PLANKTON DATA

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PART 4

PLANNING DATA

부유생물의 채집 및 조사방법

부유생물의 채집은 본원 및 각 지원에서 한국 근해의 정선 해양 관측점과 기타 해양조사시 일반 해양관측과 동시에 채집하였으며 그 결과는 다음과 같다.

1. 채집 및 방법

채집망은 Norpac Net 를 사용하여 정량 조사하였으며 채집 수층은 수심이 깊은 동해측은 100 m, 수심이 얇은 서해측은 50 m, 남해측은 저층에서 표면까지 약 1 m/sec의 속도로써 수직 채집하여 약 5%의 중성 Formalin 으로 고정하였다.

2. 채집된 시료의 처리 방법

상기와 같이 채집된 시료에 대하여 대형인 상장류 갑각류 및 피낭류 등을 제거하고 용적 측정법에 의한 침전량과 중량측정법에 따른 습중량을 측정하여 그 양을 표시하였다.

Copepoda, Amphipoda, Euphausia, Chaetognatha 등을 계수 표시하였다.

Plankton collection and procedures

Plankton samples were collected at the oceanographic stations of the sectional lines made in the adjacent water of Korea, the important fishing ground observation and special oceanographic observation. The methods applied for collecting and treating the samples and gears are as follows;

1. Method of plankton collection

Plankton samples were collected by the vertical haul with the NORPAC Net. General depth of haul is from 100m in the Eastern Sea, 50m in the Western Sea, and bottom in the Southern Sea to the Surface, and the speed of hauling is approximately one meter per second. The samples obtained from the net were immediately preserved in about five percent neutral formalin in the presserving bottles of plankton and taken to the laboratory for examinations.

2. Laboratory procedures

For quantitative examination of plankton, the settling volume and the wet weight measurements were in removing macroplanktons, such as Hydromedusae, Siphonophorae and Doliolum. Copepoda Amphipoda Euphausia Chaetognatha were counted.

동 해 부 유 생 물 조 사 성 적

PLANKTON DATA EASTERN WATERS

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106 선 부 유 생 물 조 사 표
Plankton Data, Line 106

Month	Mar.					Apr.				
Station	03	05	07	09	11	03	05	07	09	11
Date	2	2	2	2	2	18	18	18	18	19
Time	08:10	10:30	14:20	17:55	21:40	14:35	17:35	21:10	00:50	04:30
Col. Depth (m)	100	100	100	100	100	100	100	100	100	100
Volume (CC)	1.0	2.5	1.5	2.5	1.7	6.3	19.0	7.1	28.0	16.0
Biomass (mg/m ³)	7.55	14.47	2.52	22.01	10.69	56.60	135.22	34.59	351.57	172.95
Copepoda										
Chaetognatha										
Euphausia										
Amphipoda										

Month	Jun.					Aug.				Oct.
Station	03	05	07	09	11	03	05	07	09	03
Date	8	8	8	8	9	9	9	9	9	12
Time	12:05	15:10	19:10	23:00	03:00	06:25	09:10	13:00	17:00	08:20
Col. Depth (m)	100	100	100	100	100	100	100	100	100	100
Volume (CC)	1.0	-	3.0	23.0	6.0	1.5	7.0	2.0	3.5	16.5
Biomass (mg/m ³)	16.98	-	45.91	367.92	64.78	13.21	87.42	10.69	21.38	83.02
Copepoda						1356	8800	412	148	756
Chaetognatha						0	40	61	64	134
Euphausia						6	13	0	15	4
Amphipoda						15	10	13	3	19

Month	Oct.				Dec.				
Station	05	07	09	11	03	05	07	09	11
Date	12	12	11	11	6	6	6	6	6
Time	04:40	00:00	19:45	15:55	14:35	12:00	18:20	04:40	01:10
Col. Depth (m)	100	100	100	100	100	100	100	100	100
Volume (CC)	5.0	4.0	2.2	1.0	4.5	1.0	2.6	4.8	4.0
Bionass (mg/m ³)	65.41	47.19	25.79	15.72	64.45	10.69	15.09	22.01	62.26
Copepoda	950	782	240	250	1525	135	297	240	345
Chaetognatha	60	154	136	82	46	70	30	31	114
Euphausia	5	0	0	5	16	0	0	7	260
Amphipoda	44	28	13	19	23	0	3	20	4

105 선 부유생물 조사표
Plankton Data, Line 105

Month	Feb.			Mar.		Apr.				
Station	03	05	07	09	11	03	05	07	09	11
Date	27	27	27	3	3	17	17	17	17	16
Time	11:40	13:20	17:10	03:50	00:05	11:20	09:40	06:00	02:20	22:40
Col. depth (m)	48	100	100	100	100	48	100	100	100	100
Volume (CC)	1.2	0.5	1.3	4.5	2.7	0.3	1.0	0.5	0.5	1.1
Biomass (mg/m ³)	11.80	3.77	3.14	13.21	4.40	1.25	3.14	1.25	0.62	3.14
Copepoda										
Chaetognatha										
Euphausia										
Amphipoda										

Month	Jun.					Aug.				
Station	03	05	07	09	11	03	05	07	09	11
Date	9	9	9	9	9	10	10	10	10	9
Time	20:30	18:10	13:35	09:35	05:30	13:30	11:20	07:10	03:10	23:20
Col. depth (m)	48	100	100	100	100	-	-	100	100	100
Volume (CC)	40.0	3.5	1.0	3.5	2.5	-	-	1.5	5.0	2.0
Biomass (mg/m ³)	1346.00	11.95	9.43	42.77	15.09			6.29	40.25	26.42
Copepoda								84	835	118
Chaetognatha								3	86	21
Euphausia								0	3	3
Amphipoda								4	42	6

Month	Oct.					Dec.				
Station	03	05	07	09	11	03	05	07	09	11
Date	13	15	15	15	15	6	6	6	7	7
Time	09:40	08:50	12:25	16:05	19:50	18:00	19:25	23:00	02:35	06:05
Col. depth (m)	48	100	100	100	100	48	100	100	100	100
Volume (CC)	0.8	3.0	6.0	6.8	9.8	1.0	3.8	3.0	3.0	6.5
Biomass (mg/m ³)	28.83	28.30	60.38	66.04	13.45	26.21	74.84	23.27	58.99	93.71
Copepoda	56	245	1350	360	560	180	1470	338	336	693
Chaetognatha	52	72	171	72	390	11	280	115	46	560
Euphausia	0	0	0	0	6	2	16	2	3	14
Amphipoda	1	4	57	28	266	0	38	1	1	49

104 선 부유생물 조사표
Plankton Data, Line 104

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	25	25	25	25	16	16	16	16
Time	11:15	08:30	04:50	00:55	09:00	11:40	15:25	19:10
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	0.1	0.6	3.0	3.0	0.8	1.0	1.2	2.0
Biomass (mg/m ³)	0.63	12.58	13.21	12.58	0.62	96.85	6.91	1.25
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	11	11	14	15	12	12	12	12
Time	09:20	13:05	20:30	00:20	07:55	10:50	15:20	19:15
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	5.0	5.0	4.0	1.0	0.5	3.0	6.0	3.0
Biomass (mg/m ³)	77.99	74.84	44.65	16.35	1.26	9.43	37.11	13.21
Copepoda					269	646	412	544
Chaetognatha					13	72	103	61
Euphausia					0	34	8	0
Amphipoda					0	0	31	51

Month	Oct				Dec.			
Station	05	07	09	11	05	07	09	11
Date	16	16	16	15	7	7	7	7
Time	10:05	07:20	03:20	23:10	19:20	16:40	13:00	09:20
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	4.7	5.8	5.0	0.5	4.0	3.0	3.0	3.5
Biomass (mg/m ³)	45.91	59.12	62.26	15.09	38.99	15.09	38.99	25.16
Copepoda	348	620	986	40	11.90	360	384	280
Chaetognatha	70	224	208	14	68	29	450	90
Euphausia	2	5	0	0	0	0	2	6
Amphipoda	13	26	78	2	34	10	50	29

103 선 부 유 생 물 조 사 표
Plankton Data, Line 103

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	24	24	24	24	13	13	13	12
Time	10:55	13:50	17:40	21:10	07:05	04:35	01:10	21:25
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	1.7	1.3	7.5	2.4	0.1	0.2	2.8	2.0
Biomass (mg/m ³)	11.32	19.52	22.64	23.90	3.14	0.62	17.61	5.03
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	15	15	15	15	13	13	13	12
Time	15:40	12:30	08:00	04:15	09:50	06:50	03:00	23:00
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	0.5	0.8	0.5	2.0	2.3	4.0	7.5	8.0
Biomass (mg/m ³)	5.03	6.29	4.40	13.21	113.21	24.53	75.47	47.17
Copepoda					416	204	1368	55
Chaetognatha					115	43	90	10
Euphausia					7	1	4	0
Amphipoda					0	13	23	0

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	18	18	18	18	8	8	8	8
Time	10:40	13:10	16:45	20:25	08:40	11:10	14:40	18:20
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	3.0	5.0	7.2	6.8	1.0	5.0	2.0	4.7
Biomass (mg/m ³)	141.50	183.02	108.18	83.39	16.35	69.18	18.67	60.38
Copepoda	576	870	1976	636	115	1872	615	1298
Chaetognatha	66	58	155	286	14	87	52	71
Euphausia	4	1	0	2	2	16	2	4
Amphipoda	20	6	70	12	0	5	3	35

102 선 부유생물 조사표
Plankton Data, Line 102

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	20	20	20	20	12	12	12	12
Time	11:25	13:40	17:30	21:16	09:05	11:10	14:50	18:30
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	1.0	3.0	3.0	16.5	1.5	1.2	0.4	1.1
Biomass (mg/m ³)	14.47	16.35	16.98	135.85	0.62	3.77	2.51	1.88
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	16	16	16	16	13	13	13	13
Time	11:05	13:40	17:40	21:30	14:20	16:20	20:00	23:45
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	0.8	4.0	6.5	5.0	4.0	4.0	4.5	3.0
Biomass (mg/m ³)	10.69	81.76	34.51	56.60	13.21	28.30	25.16	28.30
Copepoda					224	644	186	345
Chaetognatha					20	92	64	73
Euphausia					1	0	0	0
Amphipoda					17	24	16	10

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	19	19	14	18	9	9	9	8
Time	09:00	06:50	03:10	23:30	06:40	04:30	00:50	21:10
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	3.0	6.0	8.0	2.5	2.2	1.8	3.8	1.7
Biomass (mg/m ³)	54.72	88.05	88.67	22.01	28.93	28.93	35.22	28.30
Copepoda	522	992	750	400	448	558	488	375
Chaetognatha	36	90	264	23	53	73	235	175
Euphausia	0	2	0	0	9	5	3	3
Amphipoda	2	9	35	4	0	0	38	25

209 선 부 유 생 물 조 사 표
Plankton Data, Line 209

Month	Feb.				Apr.			
Station	05	07	09	11	05	07	09	11
Date	17	17	17	17	11	11	11	10
Time	09:55	07:30	03:55	00:20	06:55	04:40	01:05	21:45
Col. depth(m)	100	100	100	100	100	100	100	100
Volume (CC)	3.8	1.3	0.8	7.0	1.2	3.0	2.1	3.8
Biomass (mg/m ³)	21.38	12.58	16.98	37.11	8.17	23.89	18.86	60.37
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	05	07	09	11	05	07	09	11
Date	17	17	17	17	14	14	14	14
Time	12:50	10:10	06:35	03:00	15:15	12:30	09:00	05:20
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	2.0	2.5	1.8	3.0	2.5	4.0	16.0	5.0
Biomass (mg/m ³)	12.58	28.30	21.38	28.30	17.61	88.05	29.56	35.22
Copepoda					186	168	18	244
Chaetognatha					153	82	0	36
Euphausia					6	18	0	3
Amphipoda					7	6	3	10

Month	Oct.				Dec.			
Station	05	07	09	11	05	07	09	11
Date	19	19	19	19	13	13	13	13
Time	13:40	16:05	19:40	23:00	15:50	16:10	19:30	22:50
Col. depth (m)	100	100	100	100	100	100	100	100
Volume (CC)	4.0	2.5	3.5	4.5	2.5	0.8	3.0	2.7
Biomass (mg/m ³)	73.58	44.65	33.96	37.74	27.67	7.55	38.36	28.30
Copepoda	330	224	175	360	576	50	560	425
Chaetognatha	53	33	67	36	104	11	50	73
Euphausia	0	0	0	0	4	0	3	2
Amphipoda	5	0	2	31	2	1	24	14

208 선 부 유 생 물 조 사 표
Plankton Data, Line 208

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	16	16	16	16	16	10	10	10	10	10
Time	11:15	13:30	15:50	18:10	20:30	08:50	10:50	13:10	15:30	17:50
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (CC)	1.5	1.8	0.8	1.5	2.7	4.5	3.2	1.0	1.1	3.0
Biomass (mg/m ³)	21.56	10.06	3.14	5.66	18.24	29.64	22.64	8.17	5.03	11.94
Copepoda										
Chaetognatha										
Euphausia										
Amphipoda										

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	19	19	19	19	19	15	15	15	15	15
Time	07:10	09:35	12:05	14:35	17:05	08:00	10:30	12:50	15:10	17:30
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (CC)	1.5	-	2.5	4.0	2.5	2.0	3.5	8.0	5.5	5.0
Biomass (mg/m ³)	8.98	-	47.17	40.88	46.54	7.19	9.43	31.45	33.96	38.99
Copepoda						84	160	382	640	378
Chaetognatha						2	0	19	49	38
Euphausia						0	0	0	0	0
Amphipoda						0	0	2	8	18

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	20	20	20	20	20	14	14	14	14	14
Time	12:00	09:55	07:35	05:15	02:50	11:45	09:40	07:20	05:00	02:40
Col. depth (m)	70	100	100	100	100	70	100	100	100	100
Volume (CC)	9.5	3.0	5.0	8.0	11.5	0.7	0.8	2.2	2.5	1.8
Biomass (mg/m ³)	112.31	88.05	59.75	111.32	155.35	29.65	13.84	20.75	27.67	16.35
Copepoda	1100	1020	765	730	2750	232	195	205	320	79
Chaetognatha	53	32	35	126	370	25	38	48	88	22
Euphausia	0	0	0	0	0	0	3	0	3	0
Amphipoda	22	16	22	68	96	2	3	47	9	1

남해 부유생물 조사성적

PLANKTON DATA SOUTHERN WATERS

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207 선 부 유 생 물 조 사 표
Plankton Data, Line 207

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	11	11	11	-	10	11
Time	12:00	14:25	16:30	-	16:20	10:30
Col. depth(m)	85	115	160	-	113	150
Volume (CC)	0.1	0.3	3.0	-	0	3.0
Biomass(mg/m ³)	0	0	9.83	-	0	14.26
Copepoda				-	0	1980
Chaetognatha				-	0	510
Euphausia				-	0	50
Amphipoda				-	0	0

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	5	7	7	7	7	7
Time	16:30	10:30	12:30	14:40	16:35	18:10
Col. depth(m)	75	110	150	80	100	160
Volume (CC)	0.2	0.8	2.8	0.4	3.5	0.4
Biomass(mg/m ³)	0	9.72	21.81	1.57	30.19	1.78
Copepoda	0	600	800	-	3500	300
Chaetognatha	0	10	8	-	80	5
Euphausia	0	15	50	-	60	10
Amphipoda	0	3	5	-	15	3

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	17	17	17	13	13	13
Time	17:10	19:05	21:05	16:40	18:30	20:10
Col. depth(m)	75	110	150	84	100	160
Volume (CC)	9.0	10.0	13.0	1.5	4.8	2.0
Biomass(mg/m ³)	125.0	104.63	84.73	21.72	61.64	11.40
Copepoda	3000	6400	5800	1400	3850	650
Chaetognatha	100	60	50	50	40	15
Euphausia	25	120	50	15	20	5
Amphipoda	90	50	25	5	5	1

206 선 부 유 생 물 조 사 표
Plankton Data, Line 206

Month	Feb.			Apr.		
Station	01	03	05	01	03	05
Date	12	12	11	11	11	11
Time	03:25	10:45	22:10	05:15	02:45	00:00
Col. depth (m)	60	62	100	60	90	145
Volume (CC)	0.5	2.5	1.5	7.0	9.0	7.0
Biomass (mg/m ³)	-	60.85	31.45	120.55	97.13	44.69
Copepoda				1220	4200	3600
Chaetognatha				25	10	15
Euphausia				90	100	80
Amphipoda				0	5	3

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	7	7	7	8	8	7
Time	22:00	19:40	17:00	04:55	02:05	23:00
Col. depth (m)	62	93	115	62	90	130
Volume (CC)	7.0	0.5	2.0	0.2	0.1	1.0
Biomass (mg/m ³)	152.21	6.77	16.96	2.03	0.70	14.03
Copepoda	1000	200	1200	300	150	1600
Chaetognatha	8	1	2	0	0	1
Euphausia	160	5	20	10	0	60
Amphipoda	20	0	2	0	0	0

Month	Oct.			Dec.		
Station	01	03	05	01	03	05
Date	18	18	18	14	14	14
Time	07:20	04:30	02:00	07:30	05:00	02:00
Col. depth (m)	50	100	130	60	94	100
Volume (CC)	15.0	16.0	10.0	3.5	3.5	5.5
Biomass (mg/m ³)	256.60	106.29	87.57	72.33	36.81	72.96
Copepoda	2800	3200	3000	4400	2600	6400
Chaetognatha	25	25	35	20	30	40
Euphausia	50	70	50	40	12	15
Amphipoda	45	30	45	2	1	5

205 선 부유생물 조사표
Plankton Data, Line 205

Month	Feb			Apr.		
Station	01	03	05	01	03	05
Date	14	14	14	21	13	12
Time	13:52	11:40	08:10	10:10	00:40	20:10
Col. depth (m)	50	80	115	57	85	110
Volume (CC)	0.1	1.5	0.3	0	0.2	0.1
Biomass (mg/m ³)	-	31.45	8.21	0	10.36	5.15
Copepoda				0	330	180
Chaetognatha				0	3	2
Euphausia				0	7	5
Amphipoda				0	3	2

Month	Jun.			Aug.		
Station	01	03	05	01	03	05
Date	8	8	-	10	10	9
Time	17:40	15:40	-	05:40	03:10	23:45
Col. depth (m)	53	86	-	50	80	80
Volume (CC)	3.8	1.5	-	0.4	0.3	0.2
Biomass (mg/m ³)	46.26	22.68	-	3.77	2.36	2.36
Copepoda	900	800	-	150	450	250
Chaetognatha	3	6	-	1	0	2
Euphausia	30	10		1	0	5
Amphipoda	4	5		0	0	0

Month	Oct			Dec.		
Station	01	03	05	01	03	05
Date	19	19	18	16	16	15
Time	05:00	02:20	20:40	04:50	02:50	23:00
Col. depth (m)	50	80	100	54	86	100
Volume (CC)	1.6	5.0	9.5	0.5	-	-
Biomass (mg/m ³)	76.73	70.75	105.03	-	-	-
Copepoda	1600	2850	2500			
Chaetognatha	25	110	30			
Euphausia	15	15	5			
Amphipoda	10	10	10			

204 선 부 유 생 물 조 사 표
Plankton Data, Line 204

Month	Feb.		Apr.	
Station	04	06	04	06
Date	20	20	17	17
Time	11:05	13:50	09:30	12:00
Col. depth (m)	72	100	75	120
Volume (CC)	1.0	3.5	4.0	4.0
Biomass (mg/m ³)	30.57	28.30	63.76	36.69
Copepoda			1300	1800
Chaetognatha			10	8
Euphausia			25	60
Amphipoda			2	3

Month	Jun.		Aug.	
Station	04	06	04	06
Date	12	12	10	10
Time	08:00	10:40	12:15	15:30
Col. depth (m)	75	128	70	125
Volume (CC)	15	1.5	7.0	-
Biomass (mg/m ³)	15.10	4.42	121.29	-
Copepoda	800	700	5000	-
Chaetognatha	15	0	100	-
Euphausia	5	10	100	-
Amphipoda	2	0	10	-

Month	Oct.		Dec.	
Station	04	06	04	06
Date	19	19	16	16
Time	08:00	12:30	09:20	12:00
Col. depth (m)	75	100	70	100
Volume (CC)	6.0	5.0	3.8	6.0
Biomass (mg/m ³)	160.23	103.37	48.52	75.47
Copepoda	3500	2800	1750	4500
Chaetognatha	30	20	25	50
Euphausia	15	10	2	10
Amphipoda	5	70	2	25

203 선 부 유 생 물 조 사 표
Plankton Data, Line 203

Month	Feb.	Apr.	Aug.	Oct.	Dec.
Station	02	01		03	01
Date	23	19		23	18
Time	09:00	07:30		09:30	10:00
Col. depth(m)	95	55		130	57
Volume (CC)	3.0	3.0		2.2	8.8
Biomass (mg/m ³)	35.10	163.62		15.48	176.60
Copepoda		1420		2850	4000
Chaetognatha		298		110	30
Euphausia		52		15	20
Amphipoda		6		10	5

313 선 부 유 생 물 조 사 표
Plankton Data, Line 313

Month	Feb.	Apr.	Jun.		Oct.		Dec.
Station	03	02	02	04	02	04	02
Date	2	19	13	13	23	23	18
Time	05:10	03:50	11:00	13:30	15:10	17:40	04:30
Col. depth(m)	92	85	90	85	90	85	90
Volume (CC)	1.5	6.0	2.8	1.2	5.0	12.0	14.0
Biomass (mg/m ³)	10.26	52.55	34.94	12.58	48.22	182.83	279.52
Copepoda		2500	600	1040	1600	2000	9600
Chaetognatha		60	7	2	30	80	70
Euphausia		140	8	10	10	50	50
Amphipoda		4	3	5	30	50	20

314 선 부 유 생 물 조 사 표
Plankton Data, Line 314

Month	Feb.				Apr.			
Station	00	02	04	06	01	03	05	07
Date	20	21	21	21	17	18	18	18
Time	21:30	10:50	04:40	08:00	22:50	02:10	05:15	08:30
Col. depth (m)	150	125	100	110	135	100	150	90
Volume (CC)	11.5	3.0	8.0	0.8	0.5	9.0	5.0	1.5
Biomass (mg/m ³)	59.98	20.13	64.78	8.18	6.06	108.80	33.56	1328
Copepoda					500	5400	4200	200
Chaetognatha					10	115	20	5
Euphausia					8	300	128	25
Amphipoda					-	14	5	5

Month	Jun.					Aug.		
Station	01	03	04	05	07	01	03	04
Date	12	13	13	14	14	18	18	14
Time	21:30	01:00	13:30	08:20	05:00	22:20	19:00	19:35
Col. depth (m)	140	110	85	100	90	135	100	83
Volume (CC)	4.0	2.5	1.2	2.5	4.8	1.2	8.0	0.3
Biomass (mg/m ³)	26.97	26.30	12.58	19.50	53.81	11.18	81.76	1.52
Copepoda	2000	700	-	2400	1800	1200	2500	160
Chaetognatha	15	4	-	10	15	5	90	10
Euphausia	30	40	-	20	70	-	20	-
Amphipoda	2	-	-	4	25	5	30	-

Month	Aug.		Oct.		Dec.			
Station	05	07	05	07	01	03	05	07
Date	18	15	24	24	16	17	17	18
Time	15:30	11:10	10:30	14:00	22:50	02:30	06:00	10:00
Col. depth (m)	100	85	95	100	100	100	100	80
Volume (CC)	0.2	5.5	4.5	2.0	4.5	7.0	4.5	10.0
Biomass (mg/m ³)	1.26	90.30	11.26	7.55	69.18	103.77	179.25	141.51
Copepoda	100	3000	200	400	2000	4000	7400	3500
Chaetognatha	-	80	0	5	40	75	60	50
Euphausia	1	25	5	5	10	35	45	10
Amphipoda	-	15	5	5	15	25	45	15

서해 부유생물 조사성적

PLANKTON DATA WESTERN WATERS

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307 선 부유생물 조사표
Plankton Data, Line 307

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	18	18	18	18	10	10	10	10
Time	08:20	12:45	16:15	19:45	09:00	13:20	16:40	20:00
Col. depth (m)	35	50	50	—	—	40	50	50
Volume (CC)	0.4	1.0	2.4	—	—	0.8	2.5	2.0
Biomass (mg/m ³)	7.31	14.57	87.38	—	—	33.35	52.96	58.74
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	7	7	7	7	8	15	15	15
Time	06:00	10:20	13:40	17:00	11:50	11:20	14:25	17:25
Col. depth (m)	40	50	50	50	36	50	50	50
Volume (CC)	3.9	1.6	3.0	2.0	2.2	11.0	13.5	16.5
Biomass (mg/m ³)	147.28	33.56	65.04	16.78	44.25	95.62	178.04	236.66
Copepoda	1066	20	32	2276	106	20	32	2276
Chaetognatha	2	6	4	2	292	201	342	721
Euphipoda	188	12	5	13	29	18	11	101
Amphipoda	15	2	5	1	—	—	—	2

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	12	12	12	12	7	6	6	6
Time	09:20	13:25	16:45	20:05	10:50	14:55	18:15	21:35
Col. depth (m)	30	50	—	50	35	45	50	50
Volume (CC)	2.6	4.9	—	8.0	1.1	1.2	0.9	1.8
Biomass (mg/m ³)	67.20	107.90	—	125.28	36.03	30.18	27.42	13.88
Copepoda	380	910	—	1220	192	132	226	196
Chaetognatha	100	130	—	278	30	98	97	90
Euphipoda	18	16	—	34	15	19	38	49
Amphipoda	8	5	—	5	1	—	2	8

308 선 부 유 생 물 조 사 표
Plankton Data, Line 308

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	01	05	07	09
Date	20	19	19	19	19	11	11	11	11	11
Time	11:45	14:05	10:55	07:45	04:15	18:20	15:00	11:10	07:50	04:30
Col. depth(m)	18	45	50	50	50	15	45	45	50	50
Volume (CC)	1.1	2.8	2.0	0.8	1.6	0.2	2.1	2.0	1.8	3.0
Biomass (mg/m ³)	37.32	43.17	31.89	15.71	24.39	22.40	65.67	67.09	41.34	73.02
Copepoda										
Chaetognatha										
Euphausia										
Amphipoda										

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	8	8	8	8	8	16	16	16	16	16
Time	14:50	11:30	08:10	04:50	01:30	13:15	10:15	07:15	04:15	01:15
Col. depth(m)	20	45	50	50	50	18	47	50	50	50
Volume (CC)	1.4	80.5	58.0	2.1	0.9	5.1	4.0	7.0	4.0	5.0
Biomass (mg/m ³)	6.50	761.78	1518.50	48.12	13.68	110.33	58.30	96.16	60.60	101.04
Copepoda	19	34	68	1064	848	682	7	98	176	656
Chaetognatha	0	0	0	1	1	75	140	258	242	274
Euphausia	2	44	44	54	10	22	9	11	50	44
Amphipoda	1	1	2	5	0	—	—	—	8	17

Month	Oct					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	13	13	13	13	13	7	7	7	7	7
Time	17:35	14:25	11:10	07:50	04:25	19:05	15:55	12:40	09:20	05:55
Col. depth(m)	15	45	50	50	50	20	45	50	50	50
Volume (CC)	6.0	10.0	13.5	8.0	5.0	1.0	1.3	1.0	1.1	2.1
Biomass (mg/m ³)	272.93	208.16	239.54	80.36	48.18	55.65	29.62	18.72	25.58	45.06
Copepoda	1120	790	1250	1920	2960	54	193	290	223	498
Chaetognatha	88	115	260	246	168	35	93	94	89	213
Euphausia	71	54	90	6	20	24	33	48	48	65
Amphipoda	26	49	96	12	18	—	1	1	—	2

309 선 부유 생물 조사 표
Plankton Datn, Line 309

Month	Feb.					Apr.				
Station	01	03	05	07	09	01	03	05	07	09
Date	20	23	23	23	23	12	12	12	12	12
Time	16:50	08:20	11:30	14:50	18:15	04:45	08:00	11:20	14:40	18:00
Col. depth (m)	25	50	50	50	50	15	45	50	50	50
Volume (CC)	1.0	1.9	1.5	0.7	0.3	0.8	13.0	1.5	1.0	0.3
Biomass (mg/m ³)	16.23	29.56	35.26	11.29	8.78	149.53	155.56	30.60	27.26	9.86
Copepoda										
Chaetognatha										
Euphausia										
Amphipoda										

Month	Jun.					Aug.				
Station	01	03	05	07	09	01	03	05	07	09
Date	12	12	12	12	12	16	16	18	18	18
Time	07:50	11:10	14:30	17:50	21:10	17:00	20:10	11:15	14:30	17:45
Col. depth (m)	25	50	50	50	50	29	50	50	50	50
Volume (CC)	4.2	15.0	9.8	1.3	2.0	0.9	7.0	1.1	4.9	2.8
Biomass (mg/m ³)	259.84	160.72	295.40	51.62	53.90	11.03	109.76	12.60	99.00	40.96
Copepoda	264	152	478	713	154	2	184	480	47	2354
Chaetognatha	98	28	56	13	43	53	188	73	213	152
Euphausia	2	36	186	115	67	9	69	5	3	-
Amphipoda	0	1	2	31	73	-	-	-	-	-

Month	Oct.					Dec.				
Station	01	03	05	07	09	01	03	05	07	09
Date	14	14	14	14	14	9	9	9	9	9
Time	07:20	10:35	13:55	17:25	20:55	07:50	11:00	14:20	17:50	21:20
Col. depth (m)	20	45	50	50	50	25	50	50	50	50
Volume (CC)	3.0	6.9	12.0	3.2	5.0	0.3	1.5	1.9	0.5	0.4
Biomass (mg/m ³)	99.25	128.07	199.50	34.35	85.34	2.36	35.80	37.42	8.38	17.26
Copepoda	850	680	2270	1560	2340	70	3	284	45	216
Chaetognatha	186	137	186	118	249	20	14	91	11	35
Euphausia	27	46	77	12	19	2	17	54	8	22
Amphipoda	4	22	48	6	14	-	-	3	-	7

310 선 부 유 생 물 조 사 표
Plankton Data, Line 310

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	24	24	24	24	14	17	17	17
Time	12:20	09:05	05:35	02:05	11:40	14:30	17:50	21:10
Col. depth (m)	22	50	50	50	25	50	50	50
Volume (CC)	0.3	1.8	0.6	2.0	1.1	0.9	0.8	4.0
Biomass (mg/m ³)	15.55	22.36	9.40	22.88	121.48	25.82	18.00	103.62
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	13	13	13	13	19	19	19	19
Time	15:00	11:40	08:20	05:00	11:05	07:50	04:45	01:20
Col. depth (m)	25	50	50	50	25	50	50	50
Volume (CC)	2.6	2.9	3.0	2.6	1.1	2.5	4.0	2.8
Biomass (mg/m ³)	211.48	136.70	134.28	105.10	88.60	64.70	55.20	41.50
Copepoda	2286	639	1758	450	16	46	840	2808
Chaetognatha	31	5	97	120	75	334	229	186
Euphausia	33	37	77	21	-	-	23	7
Amphipoda	3	14	20	51	-	-	10	2

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	15	15	15	15	10	10	10	9
Time	15:20	11:55	08:25	04:55	15:45	12:20	08:50	05:20
Col. depth (m)	25	50	50	50	20	50	50	50
Volume (CC)	5.0	8.6	4.0	5.0	1.8	2.6	1.4	1.8
Biomass (mg/m ³)	347.16	168.62	59.74	92.20	119.75	100.84	29.66	26.94
Copepoda	5970	2310	1180	1780	246	824	552	452
Chaetognatha	307	346	71	154	97	155	71	43
Euphausia	37	34	24	76	16	37	55	41
Amphipoda	2	27	7	20	5	11	4	5

311 선 부유생물 조사표
Plankton Data, Line 311

Month	Feb.				Apr.		
Station	04	05	07	09	04	07	09
Date	24	24	24	25	18	18	18
Time	17:25	19:00	23:10	02:40	15:10	09:10	05:50
Col. depth (m)	30	50	50	50	35	50	50
Volume (CC)	0.8	0.5	0.6	1.2	0.3	0.7	5.0
Biomass (mg/m ³)	26.35	17.43	13.58	18.23	15.23	26.68	87.72
Copepoda							
Chaetognatha							
Euphausia							
Amphipoda							

Month	Jun.			Aug.		
Station	04	07	09	04	07	09
Date	13	14	14	19	22	22
Time	20:20	11:40	15:00	16:10	08:25	11:40
Col. depth (m)	30	50	50	32	50	50
Volume (CC)	1.2	0.6	1.0	7.0	4.9	4.9
Biomass (mg/m ³)	77.90	16.12	11.04	414.00	110.00	60.96
Copepoda	612	552	788	1298	237	76
Chaetognatha	14	91	41	321	292	52
Euphausia	20	10	3	156	30	17
Amphipoda	3	2	13	3	15	1

Month	Oct.			Dec.		
Station	04	07	09	04	07	09
Date	15	17	17	16	21	21
Time	20:30	09:05	12:35	13:30	16:20	19:50
Col. depth (m)	30	50	50	30	50	50
Volume (CC)	0.8	0.8	0.2	1.8	1.3	0.7
Biomass (mg/m ³)	526.80	175.30	125.28	60.13	29.72	14.62
Copepoda	7760	4810	4550	448	213	75
Chaetognatha	291	335	174	62	51	21
Euphausia	56	45	16	4	150	18
Amphipoda	19	27	20	2	-	-

312 선 부유 생물 조사 표
Plankton Data, Line 312

Month	Feb.				Apr.			
Station	03	05	07	09	03	05	07	09
Date	25	25	25	25	18	19	19	19
Time	21:40	18:15	14:05	10:40	23:40	03:00	07:20	10:40
Col. depth (m)	50	50	50	50	50	50	50	50
Volume (CC)	0.8	1.1	0.2	1.0	1.6	2.5	1.0	1.6
Biomass (mg/m ³)	15.97	15.25	4.65	19.06	101.84	99.84	44.14	22.62
Copepoda								
Chaetognatha								
Euphausia								
Amphipoda								

Month	Jun.				Aug.			
Station	03	05	07	09	03	05	07	09
Date	15	15	15	14	23	23	22	22
Time	10:40	07:20	03:00	23:40	06:05	02:50	23:00	19:45
Col. depth (m)	50	50	50	50	50	50	50	50
Volume (CC)	1.0	1.3	4.0	1.3	3.6	3.8	9.0	6.0
Biomass (mg/m ³)	27.22	37.56	147.78	20.92	175.5	104.34	251.66	81.52
Copepoda	1092	324	1104	151	1000	1800	872	680
Chaetognatha	116	69	43	28	294	286	310	362
Euphausia	31	14	149	16	41	89	98	8
Amphipoda	35	7	31	11	58	38	18	8

Month	Oct.				Dec.			
Station	03	05	07	09	03	05	07	09
Date	18	18	18	17	22	22	22	22
Time	08:10	04:40	00:35	21:05	15:25	11:55	07:50	04:20
Col. depth (m)	50	50	50	50	50	50	50	50
Volume (CC)	4.0	1.5	4.5	5.9	0.5	0.9	1.7	1.5
Biomass (mg/m ³)	132.18	46.02	169.51	215.42	14.06	41.20	40.58	41.76
Copepoda	3830	1980	1810	5220	98	454	353	442
Chaetognatha	163	46	248	211	20	58	72	76
Euphausia	32	1	14	50	3	19	30	49
Amphipoda	20	5	38	52	—	—	—	2

해양조사년보 (27권)

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1979 년 10 월 5 일 발행

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